Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074B: Oxygenated Compounds							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP074C: Sulfonated Compounds							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP074D: Fumigants							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP074F: Halogenated Aromatic Compounds							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP074G: Trihalomethanes							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP075A: Phenolic Compounds							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved							
A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075F: Haloethers							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**17-FEB-2012**	24-FEB-2012	✓	**20-FEB-2012**	28-MAR-2012	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**21-FEB-2012**	24-FEB-2012	✓	**21-FEB-2012**	01-APR-2012	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**21-FEB-2012**	24-FEB-2012	✓	**21-FEB-2012**	01-APR-2012	✓
EP080: BTEX							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**14-FEB-2012**	24-FEB-2012	✓	**17-FEB-2012**	24-FEB-2012	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP216: Perchlorate by LC/MS							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**21-FEB-2012**	09-MAR-2012	✓	**21-FEB-2012**	21-MAR-2012	✓
EP231: Perfluorooctyl Acids and Sulfonates.							
Soil Glass Jar - Unpreserved A9HA1/3001, A9HA2/3001, A8HA1/2001, A8HA3/2001	**10-FEB-2012**	**21-FEB-2012**	08-AUG-2012	✓	**21-FEB-2012**	01-APR-2012	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EG020T: Total Metals by ICP-MS							
Clear Plastic Bottle - Nitric Acid; Unfiltered A9HA2/35100212	**10-FEB-2012**	**24-FEB-2012**	08-AUG-2012	✓	**24-FEB-2012**	08-AUG-2012	✓
EG035T: Total Recoverable Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Unfiltered A9HA2/35100212	**10-FEB-2012**	**----**	----	----	**16-FEB-2012**	09-MAR-2012	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074B: Oxygenated Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074C: Sulfonated Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074D: Fumigants							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074E: Halogenated Aliphatic Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074F: Halogenated Aromatic Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074G: Trihalomethanes							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓
EP074H: Naphthalene							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/37100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**24-FEB-2012**	24-FEB-2012	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP080/071: Total Petroleum Hydrocarbons							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/35100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**23-FEB-2012**	24-FEB-2012	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/35100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**23-FEB-2012**	24-FEB-2012	✓
EP080: BTEXN							
Amber VOC Vial- NaHSO4 or H2SO4 A9HA2/35100212	**10-FEB-2012**	**23-FEB-2012**	24-FEB-2012	✓	**23-FEB-2012**	24-FEB-2012	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055-103	2	18	**11.1**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Organic Matter	EP004	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	7	**14.3**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	2	14	**14.3**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	2	11	**18.2**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	2	11	**18.2**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	2	11	**18.2**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	2	17	**11.8**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Organic Matter	EP004	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	7	**14.3**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	14	**7.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	17	**5.9**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Organic Matter	EP004	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	7	**14.3**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	14	**7.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	17	**5.9**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Perchlorate in Soils and Sediments by LC/MS	EP216	1	7	**14.3**	**5.0**	✓	ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	14	**7.1**	**5.0**	✓	ALS QCS3 requirement

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matrix Spikes (MS) - Continued							
Pesticides by GCMS	EP068	1	11	**9.1**	**5.0**	✓	ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	11	**9.1**	**5.0**	✓	ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	17	**5.9**	**5.0**	✓	ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	4	**25.0**	**5.0**	✓	ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	4	**25.0**	**5.0**	✓	ALS QCS3 requirement

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Total Mercury by FIMS	EG035T	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	2	**50.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	2	**50.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	2	**50.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Total Mercury by FIMS	EG035T	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	2	**50.0**	**5.0**	✓	ALS QCS3 requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055-103	SOIL	A gravimetric procedure based on weight loss over a 12 hour drying period at 103-105 degrees C. This method is compliant with NEPM (2010 Draft) Schedule B(3) Section 7.1 and Table 1 (14 day holding time).
Total Metals by ICP-AES	EG005T	SOIL	(APHA 21st ed., 3120; USEPA SW 846 - 6010) (ICPAES) Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM (1999) Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	AS 3550, APHA 21st ed., 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3)
Organic Matter	EP004	SOIL	AS1289.4.1.1 - 1997., Dichromate oxidation method after Walkley and Black. This method is compliant with NEPM (1999) Schedule B(3) (Method 105)
Polychlorinated Biphenyls (PCB)	EP066	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 504)
Pesticides by GCMS	EP068	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM (1999) Schedule B(3) (Method 504,505)
TPH - Semivolatile Fraction	EP071	SOIL	(USEPA SW 846 - 8015A) Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C36. This method is compliant with NEPM (1999) Schedule B(3) (Method 506.1)
Volatile Scan for Unknowns	EP072	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS and unknowns are identified by comparison of peaks with the NIST library. Semiquantification is by comparison with the closest eluting internal standard.
Semivolatile Scan for Unknowns	EP073	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Capillary GC/MS and unknowns are identified by comparison of peaks with the NIST library. Semiquantification is by comparison with the closest eluting internal standard.
Volatile Organic Compounds	EP074	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501)
Semivolatile Organic Compounds	EP075	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM (1999) Schedule B(3) (Method 502)
TPH Volatiles/BTEX	EP080	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501)
Perchlorate in Soils and Sediments by LC/MS	EP216	SOIL	US EPA Method 6850: 5 g of sample is extrascted with 25 mL of water acidifed with acetic acid, filtered with a 0.2 µm filter (to extend extract holding time) and analysed by LC/MS in ESI (negative) mode.
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	* EP231	SOIL	In-House. A portion of soil is soaked in sodium hydroxide followed by extraction with methanol. The extract is neutralised with HCl and an aliquot taken to dryness, made up in mobile phase. Analysis is by LC/MSMS, ESI Negative Mode using MRM.

Analytical Methods	Method	Matrix	Method Descriptions
Total Metals by ICP-MS - Suite A	EG020A-T	WATER	(APHA 21st ed., 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020): The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector.
Total Mercury by FIMS	EG035T	WATER	AS 3550, APHA 21st ed. 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the unfiltered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
TPH - Semivolatile Fraction	EP071	WATER	USEPA SW 846 - 8015A The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
Volatile Organic Compounds	EP074	WATER	USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	WATER	USEPA SW 846 - 8270D Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
TPH Volatiles/BTEX	EP080	WATER	USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)

Preparation Methods	Method	Matrix	Method Descriptions
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	USEPA 200.2 Mod. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM (1999) Schedule B(3) (Method 202)
Organic Matter	EP004-PR	SOIL	AS1289.4.1.1 - 1997., Dichromate oxidation method after Walkley and Black. This method is compliant with NEPM (1999) Schedule B(3) (Method 105)
Sample Extraction for Perchlorate	EP216-PR	SOIL	US EPA 6850.
Sample Extraction for Perfluoroalkyl Compounds	EP231-PR	SOIL	In-House
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW 846 - 5030A) 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids (Option A - Concentrating)	ORG17A	SOIL	In-house, Mechanical agitation (tumbler). 20g of sample, Na2SO4 and surrogate are extracted with 150mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.
Tumbler Extraction of Solids (Option B - Non-concentrating)	ORG17B	SOIL	In-house, Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 20mL 1:1 DCM/Acetone by end over end tumble. The solvent is transferred directly to a GC vial for analysis.
Digestion for Total Recoverable Metals	EN25	WATER	USEPA SW846-3005 Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)

Preparation Methods	Method	Matrix	Method Descriptions
Separatory Funnel Extraction of Liquids	ORG14	WATER	USEPA SW 846 - 3510B 500 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using 60mL DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2). ALS default excludes sediment which may be resident in the container.
Volatiles Water Preparation	ORG16-W	WATER	A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for sparging.

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP075D: Nitrosamines	2570835-008	----	**Methapyrilene**	91-80-5	18.7 %	24.4-143%	**Recovery less than lower control limit**
EP075E: Nitroaromatics and Ketones	2570835-008	----	**1-Naphthylamine**	134-32-7	4.4 %	10-84%	**Recovery less than lower control limit**
Matrix Spike (MS) Recoveries							
EP231: Perfluorooctyl Acids and Sulfonates.	EM1201441-001	A9HA1/3001	**PFOS**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

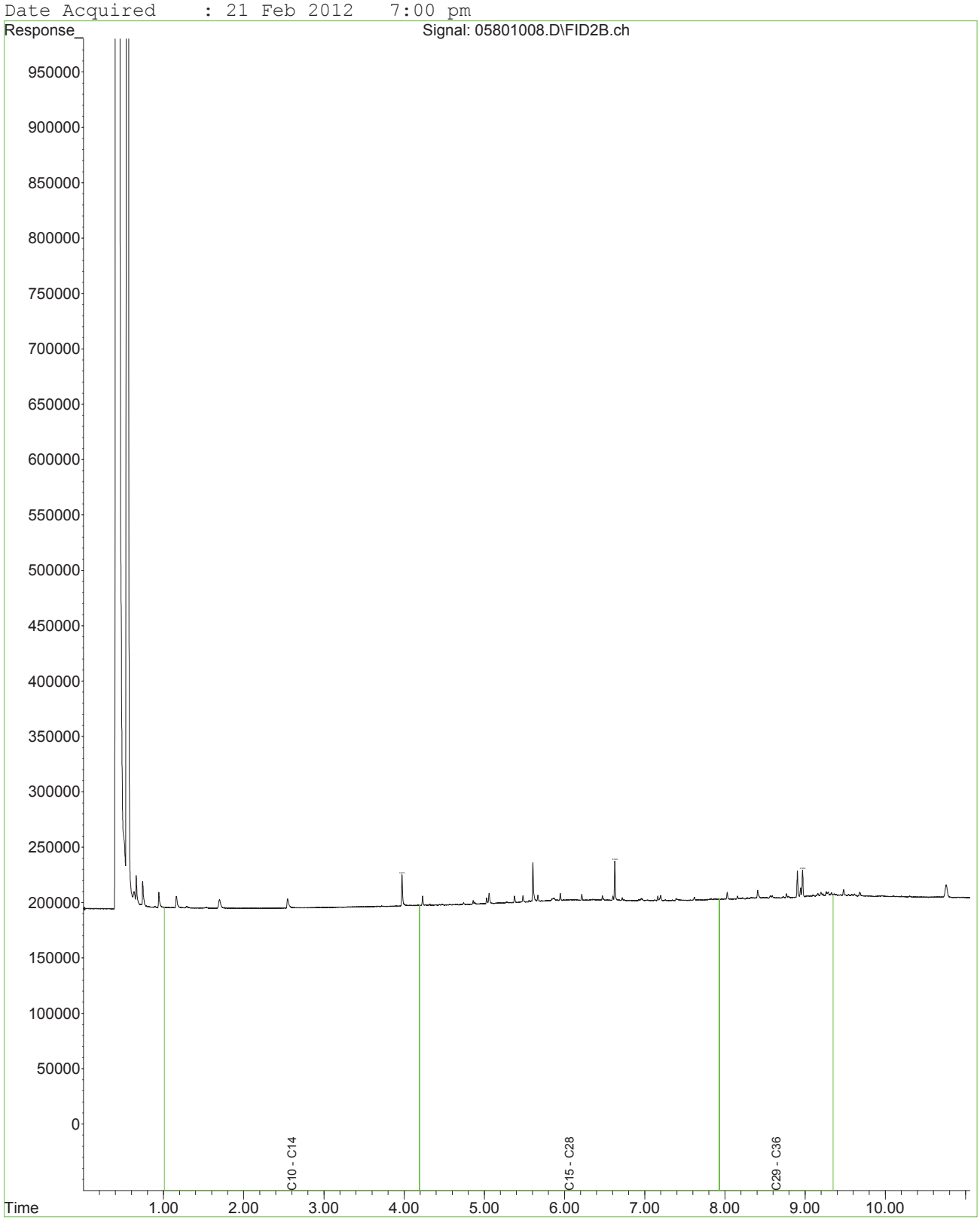
- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

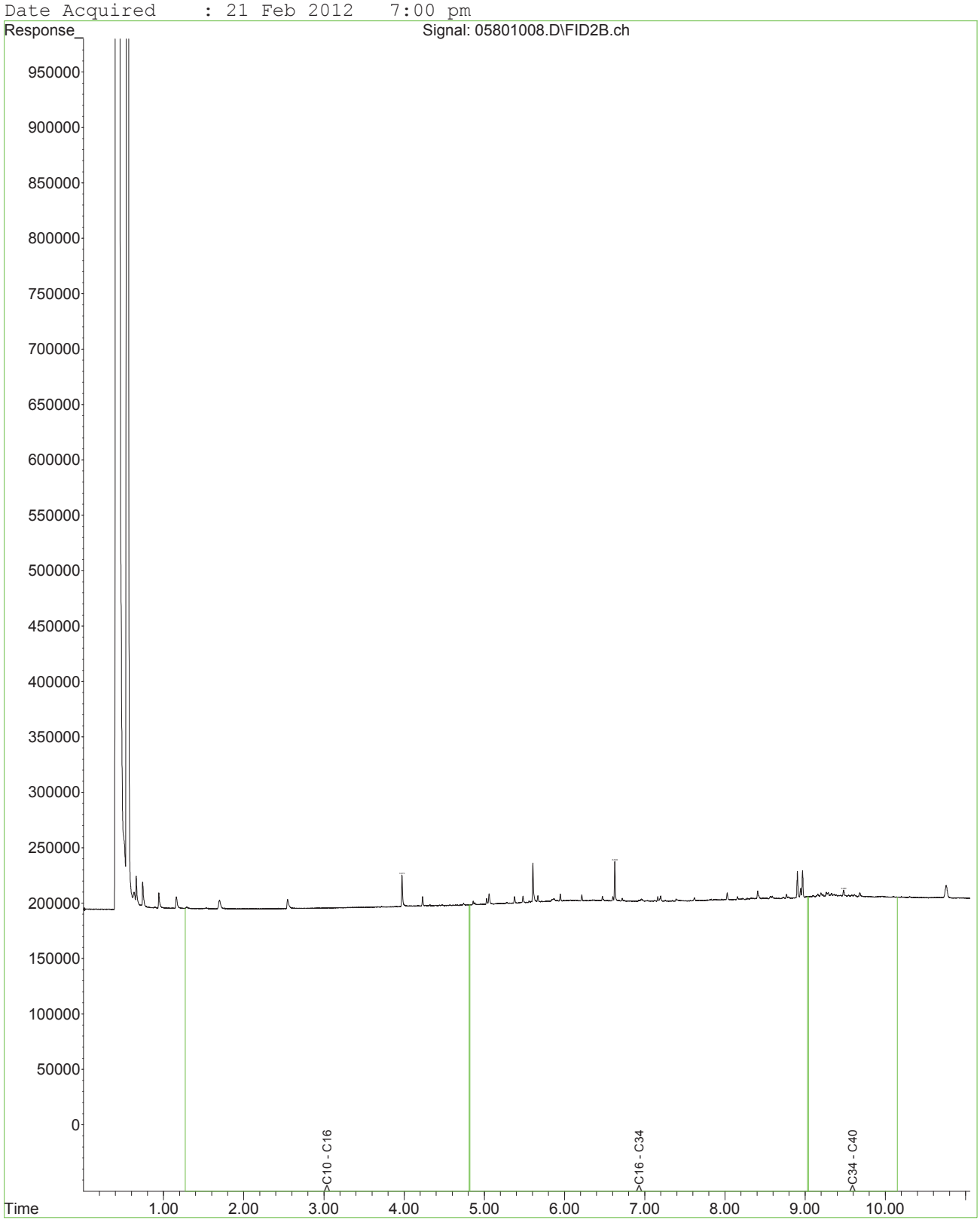
The following report highlights breaches in the Frequency of Quality Control Samples.

- **No Quality Control Sample Frequency Outliers exist.**

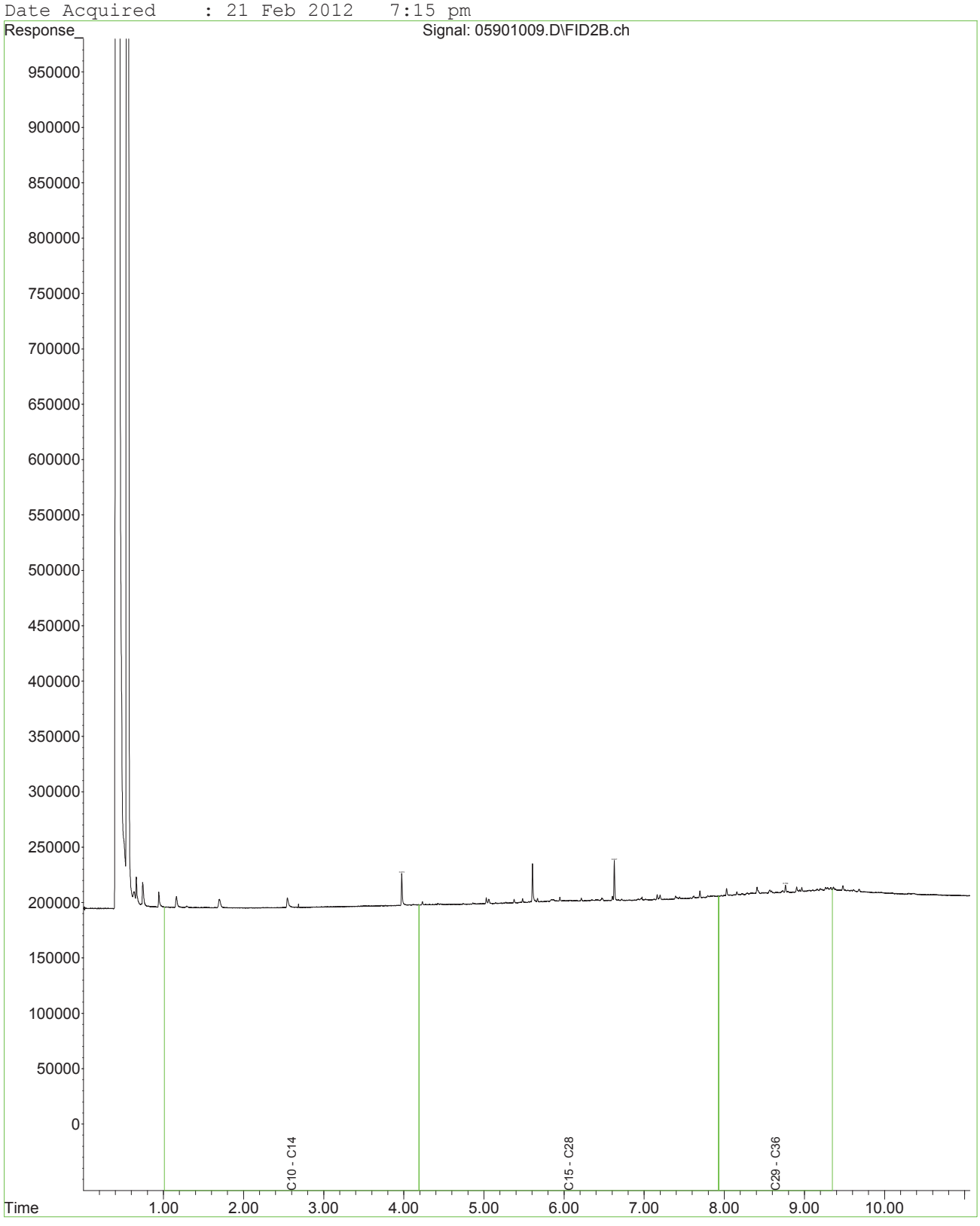
Fraction Scheme :
Data File : 05801008.D
Laboratory Number: EM1201441-001
Sample ID : A9HA1/3001
Date Acquired : 21 Feb 2012 7:00 pm



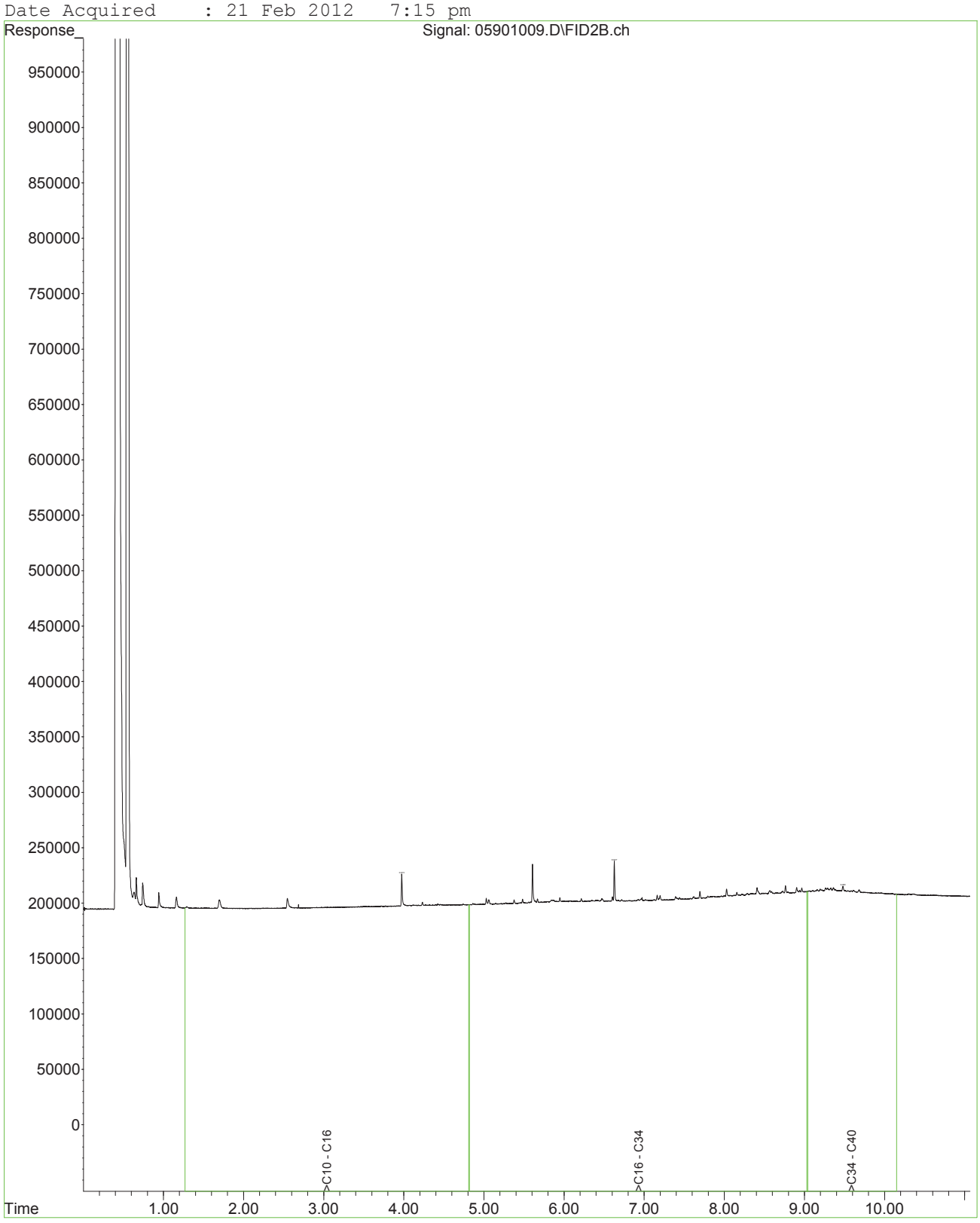
Fraction Scheme :
Data File : 05801008.D
Laboratory Number: EM1201441-001
Sample ID : A9HA1/3001
Date Acquired : 21 Feb 2012 7:00 pm



Fraction Scheme :
Data File : 05901009.D
Laboratory Number: EM1201441-002
Sample ID : A9HA2/3001
Date Acquired : 21 Feb 2012 7:15 pm



Fraction Scheme :
Data File : 05901009.D
Laboratory Number: EM1201441-002
Sample ID : A9HA2/3001
Date Acquired : 21 Feb 2012 7:15 pm



CHAIN OF CUSTODY

No. _____

GOLDER ASSOCIATES PTY LTD
BUILDING 7, BOTANICCA CORPORATE PARK
570 - 588 SWAN STREET,
RICHMOND, VICTORIA 3121.
Tel: (03) 8862 3500
Fax: (03) 8862 3501

Golder Job Number: 117613201

Job Location: Fiskville

Laboratory Issued To: ALS Springvale

Order No.:

Sampled By (Golder): RM

Golder Job Contact: Roberto Murgia / Niamh McCormack

Golder Contact Email: rmurgia@golder.com.au / NMcCormack@golder.com.au

# OBSERV-ATIONS	SAMPLE DATE	SAMPLE NUMBER TAAXXX/MQNN	SAMPLE TYPE	SAMPLE DEPTH (m)	No. OF CONTAIN-ERS	TPH	BTEX	Metals	PAH	Phenols	VOC (full & unknown scan)	SVOC (full & unknown scan)	Pesticides (OC & OP)	PCBs	Perchlorates	PFOS/PFOA	TOC
1	10/02/2012	A9HA1/3001	Soil	0.3-0.5	5	X	X	X	X	X	X	X	X	X	X	X	X
2	10/02/2012	A9HA2/3001	Soil	0.3-0.5	5	X	X	X	X	X	X	X	X	X	X	X	X
3	10/02/2012	A8HA1/2001	Soil	0.3-0.5	5	X	X	X	X	X	X	X	X	X	X	X	X
4	10/02/2012	A8HA3/2001	Soil	0.3-0.5	5	X	X	X	X	X	X	X	X	X	X	X	X
5	10/02/2012		Soil		5	X	X	X	X	X	X	X	X	X	X	X	X
6	10/02/2012		Soil		5	X	X	X	X	X	X	X	X	X	X	X	X
7	10/02/2012		Soil		5	X	X	X	X	X	X	X	X	X	X	X	X
8	10/02/2012	A9HA2/37100212	TB	-	2	X	X				X						
9	10/02/2012	A9HA2/35*100212	Rins	-	4	X	X	X	X								

Environmental Division
Melbourne
Work Order
EM1201441

Telephone : +61-3-8549 9600

Special Instructions:

TURN AROUND TIME REQUIRED

☐ 1 Working Day ☐ 2 Working Days ☐ 3 Working Days ☐ 4 Working Days ☐ 5 Working Days (standard) ☐ Other _____

SAMPLE RECEIPT

Relinquished by: Roberto Murgia
Organisation: Golder Associates
Date: 10/02/2012
Time: 15:30

Recieved by: [illegible]
Organisation: ALS
Date: 10/2
Time: 5:05 PM

ANALYTICAL SCHEDULE

Relinquished by: Roberto Murgia
Organisation: Golder Associates
Date: 10/02/2012
Time: 15:30

Received by:
Organisation:
Date:
Time:

DELIVERED BY: ☐ COURIER/LAB ☐ GOLDER

RECEIVED BY: ☐ FAX ☐ HAND

SAMPLE STATUS: ☐ Security Sealed ☐ Chilled ☐ Frozen ☐ Ambient

RECEIVING LABORATORY TO CONFIRM RECEIPT OF ANALYTICAL SCHEDULE BY RETURN FAX TO: (03) 8862 3501

 # Observations to Assist Analysis and OH&S
C - Expected to be Highly Contaminated
N - NAPL Sample
HS - Expected High Salinity
HOC - Expected High Total Organic Carbon
S - Sheen
O - Odourous

Original (white) - Laboratory
Duplicate (yellow) - Project File
Triplicate (pink) - COC Book

Checked By: _____ Date: _____

Forms F012-b RL8 Aug08

CHAIN OF CUSTODY

No. _____

GOLDER ASSOCIATES PTY LTD
BUILDING 7, BOTANICCA CORPORATE PARK
570 - 588 SWAN STREET,
RICHMOND, VICTORIA 3121.
Tel: (03) 8862 3500
Fax: (03) 8862 3501

Golder Job Number: 117613201

Job Location: Fiskville

Laboratory Issued To: ALS Springvale

Order No.:

Sampled By (Golder): RM

Golder Job Contact: Roberto Murgia / Niamh McCormack

Golder Contact Email: rmurgia@golder.com.au / NMcCormack@golder.com.au

# OBSERV-ATIONS	SAMPLE DATE	SAMPLE NUMBER TAAXXX/MQNN	SAMPLE TYPE	SAMPLE DEPTH (m)	No. OF CONTAIN-ERS
1	10/02/2012	A9HA1/3001	Soil	0.3-0.5	5
2	10/02/2012	A9HA2/3001	Soil	0.3-0.5	5
3	10/02/2012	A8HA1/2001	Soil	0.3-0.5	5
4	10/02/2012	A8HA3/2001	Soil	0.3-0.5	5
5	10/02/2012		Soil		5
6	10/02/2012		Soil		5
7	10/02/2012		Soil		5
8	10/02/2012	A9HA2/37100212	TB	-	2
9	10/02/2012	A9HA2/35*100212	Rins	-	4

TPH
BTEX
Metals
PAH
Phenols
voc (full & unknowns scan)
SVOC (full & unknowns scan)
Pesticides (OC & OP)
PCBs
Cresols
PFOS/PFOA
foc

SCANNED

Environmental Division
Melbourne
Work Order
EM1201441

Telephone +61-3-8549 9600

Special Instructions:

TURN AROUND TIME REQUIRED

☐ 1 Working Day ☐ 2 Working Days ☐ 3 Working Days ☐ 4 Working Days ☐ 5 Working Days (standard) ☐ Other _____

SAMPLE RECEIPT

Relinquished by: Roberto Murgia Date: 10/02/2012 Time: 15:30
Organisation: Golder Associates

Recieved by: Date: 10/2 Time:
Organisation:

ANALYTICAL SCHEDULE

Relinquished by: Roberto Murgia Date: 10/02/2012 Time: 15:30
Organisation: Golder Associates

Received by: Date: Time:
Organisation:

DELIVERED BY: ☐ COURIER/LAB ☐ GOLDER

RECEIVED BY: ☐ FAX ☐ HAND

SAMPLE STATUS ☐ Security Sealed ☐ Chilled ☐ Frozen ☐ Ambient

RECEIVING LABORATORY TO CONFIRM RECEIPT OF ANALYTICAL SCHEDULE BY RETURN FAX TO : (03) 8862 3501

 # Observations to Assist Analysis and OH&S
C - Expected to be Highly Contaminated
N - NAPL Sample
HS - Expected High Salinity
HOC - Expected High Total Organic Carbon
S - Sheen
O - Odourous

Original (white) - Laboratory
Duplicate (yellow) - Project File
Triplicate (pink) - COC Book

Checked By: _____ Date: _____

R.L 14/2/12

Peter Ravlic

From: Samantha Smith
Sent: Tuesday, 14 February 2012 3:10 PM
To: Wendy Hoang
Cc: Peter Ravlic
Subject: RE: regarding wo: EM1201441

Hi Wendy,

Can you please only log for metals, BTEX and TPH C6-C9. The PAH and TPH C10-C36 will be non compliant.

Regards,

How was your customer experience? Please send us your feedback (click the link)

Samantha Smith
SENIOR PROJECT MANAGER

ALS | Environmental (Traditional Environmental Group)

Address
4 Westall Road
Springvale VIC 3171

PHONE +61 3 8549 9644
FAX +61 3 8549 9601

Winner of the inaugural CARE Award 2011 - Sustainable Technology & Innovation:
Reduction in Sample Volumes - Improving quality, safety, efficiency and sustainability in environmental practices

www.alsglobal.com

Please consider the environment before printing this email.

Description:
cid:image00

From: Wendy Hoang
Sent: Tuesday, 14 February 2012 12:20 PM
To: Samantha Smith
Subject: regarding wo: EM1201441

Hey Sam,

Regarding sample 6 in attached COC, client has supplied unpreserved plastic for semi volatile organic.
Can you please confirm with client whether we are to analyse the organics from the bottle.
Thanks!

Wendy

ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.:	EM1201497	Units :	mg/kg
Sample I.D. :	1	Client I.D. :	A6PT4/2001
Analyst :	PTN		
Sample Amt (g) :	20.79	Final Volume (mL):	5
Matrix :	Soil	Extract Dilution :	1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	3.99	N/A	Unknown semi-volatile compund	783613	1	1
2	12.04	95	Substituted alkane	1440672	1	6
4	12.79	N/A	Unknown semi-volatile compund	54671776	23	6
5	12.90	N/A	Unknown semi-volatile compund	59460791	25	6
6	13.06	92	(3.Beta.)-3-methoxy-olean-12-ene	1724085	1	6
7	13.09	N/A	Unknown semi-volatile compund	1428719	1	6
8	13.22	N/A	Unknown semi-volatile compund	1652651	1	6

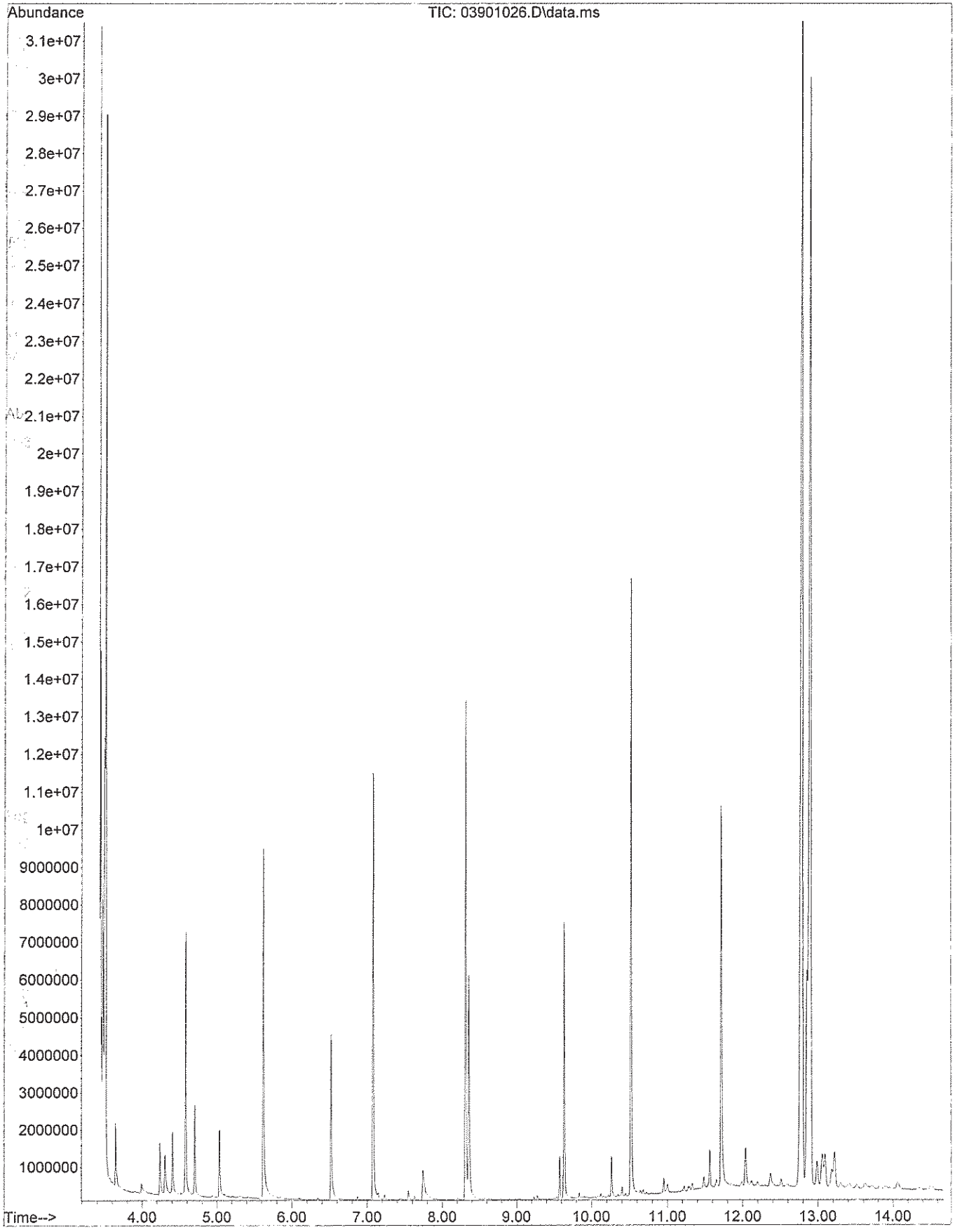
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.58	1,4-Dichlorobenzene-d4	6474968	20
2	5.62	Naphthalene-d8	9623090	20
3	7.08	Acenaphthene-d10	11105346	20
4	8.31	Phenanthrene-d10	12084114	20
5	10.52	Chrysene-d12	15351699	20
6	11.71	Perylene-d12	11558096	20

File :D:\MSDCHEM\1\DATA\2576757\03901026.D
Operator : SV15
Acquired : 21 Feb 2012 1:45 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_9
Misc Info : A6PT4/2001
Vial Number: 39



ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.:	EM1201497	Units :	mg/kg
Sample I.D. :	4	Client I.D. :	A6PT2/2002
Analyst :	PTN		
Sample Amt (g) :	20.3	Final Volume (mL):	5
Matrix :	Soil	Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	12.77	91	(3.Beta.)-3-methoxy-d-Friedoolean-14-ene	16173640	7	6
2	12.88	N/A	Unknown semi-volatile compund	13851163	6	6

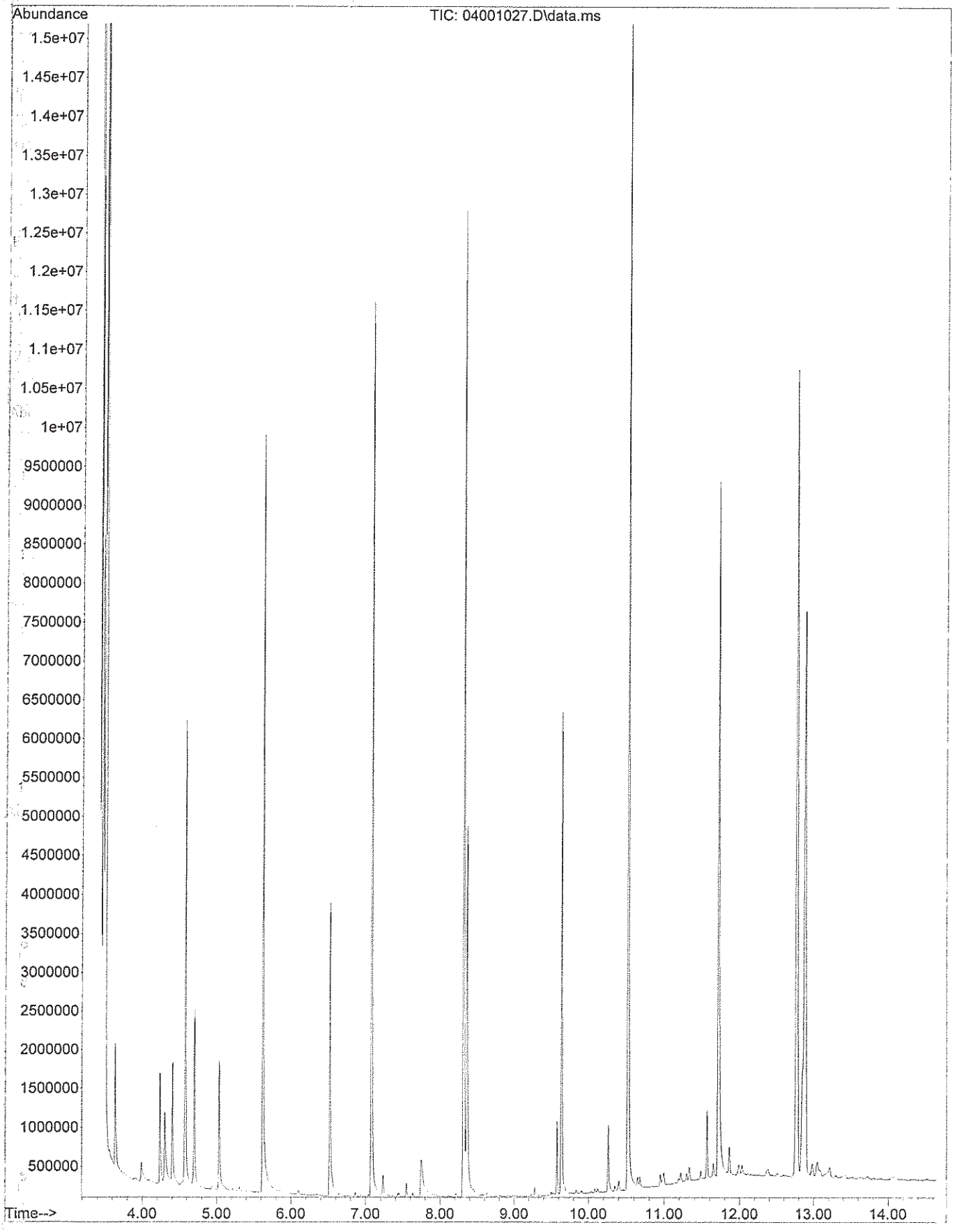
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.58	1,4-Dichlorobenzene-d4	5868329	20
2	5.62	Naphthalene-d8	9376858	20
3	7.08	Acenaphthene-d10	10987022	20
4	8.31	Phenanthrene-d10	11676471	20
5	10.52	Chrysene-d12	14995788	20
6	11.71	Perylene-d12	11036149	20

File :D:\MSDCHEM\1\DATA\2576757\04001027.D
Operator : SV15
Acquired : 21 Feb 2012 2:04 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_10
Misc Info : A6PT2/2002
Vial Number: 40



ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.: EM1201497 Units : mg/kg

Sample I.D. : 6 Client I.D. : A6PT3/2002

Analyst : PTN

Sample Amt (g) : 22.2 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	4.41	n/a	Unknown semivolatile organic compoun	2137941	2	1
2	11.71	64	Substituted phenol	11787392	3	5
3	12.76	n/a	Unknown semivolatile organic compoun	7189300	4	6
4	12.87	n/a	Unknown semivolatile organic compoun	6992306	4	6

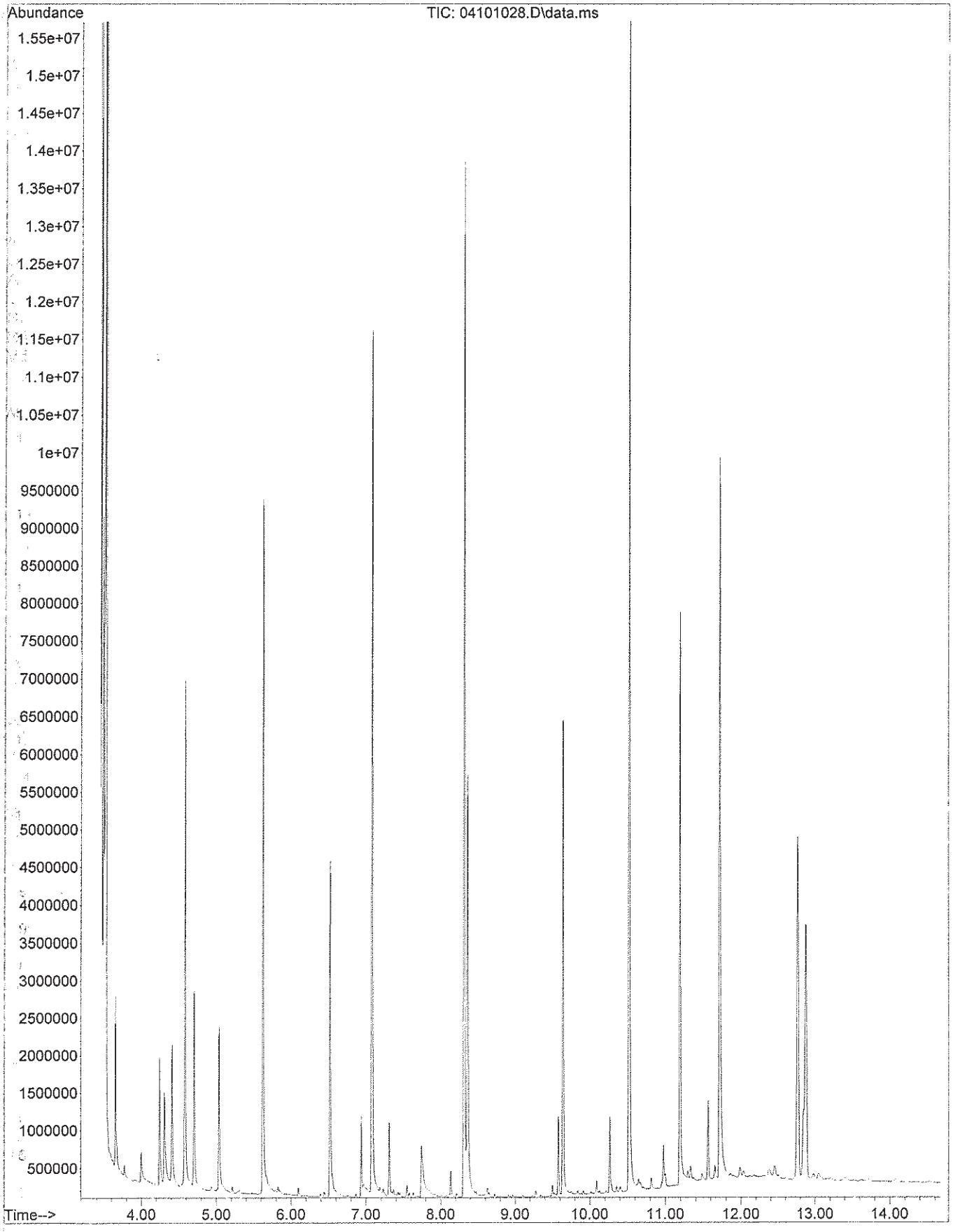
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.58	1,4-Dichlorobenzene-d4	6076906	20
2	5.62	Naphthalene-d8	9293046	20
3	7.08	Acenaphthene-d10	11255476	20
4	8.31	Phenanthrene-d10	12776191	20
5	10.52	Chrysene-d12	15774473	20
6	11.71	Perylene-d12	7915130	20

File :D:\MSDCHEM\1\DATA\2576757\04101028.D
Operator : SV15
Acquired : 21 Feb 2012 2:23 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_11
Misc Info : A6PT3/2002
Vial Number: 41



ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.: EM1201497 Units : mg/kg

Sample I.D. : 7 Client I.D. : A6PT1/2001

Analyst : PTN

Sample Amt (g) : 23.15 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	6.90	70	Butylated Hydroxyanisole	22683311	10	2
2	6.95	99	2,6-bis(1,1-dimethylethyl)-Cyclohexadiene-1,4-dione	66557796	30	2
3	7.09	97	Butylated Hydroxytoluene	30944451	4	3
4	10.35	n/a	Unknown semivolatile organic compound	13883964	4	5
5	10.63	n/a	Unknown semivolatile organic compound	8033136	2	5
6	10.67	n/a	Unknown semivolatile organic compound	16159597	4	5
7	11.00	n/a	Unknown semivolatile organic compound	67055332	17	5
8	11.23	n/a	Unknown semivolatile organic compound	273705904	70	5
9	12.06	n/a	Unknown semivolatile organic compound	54127482	19	6
10	12.78	83	Substituted D-Friedooleanene	16761420	6	6
11	12.89	n/a	Unknown semivolatile organic compound	11909796	4	6

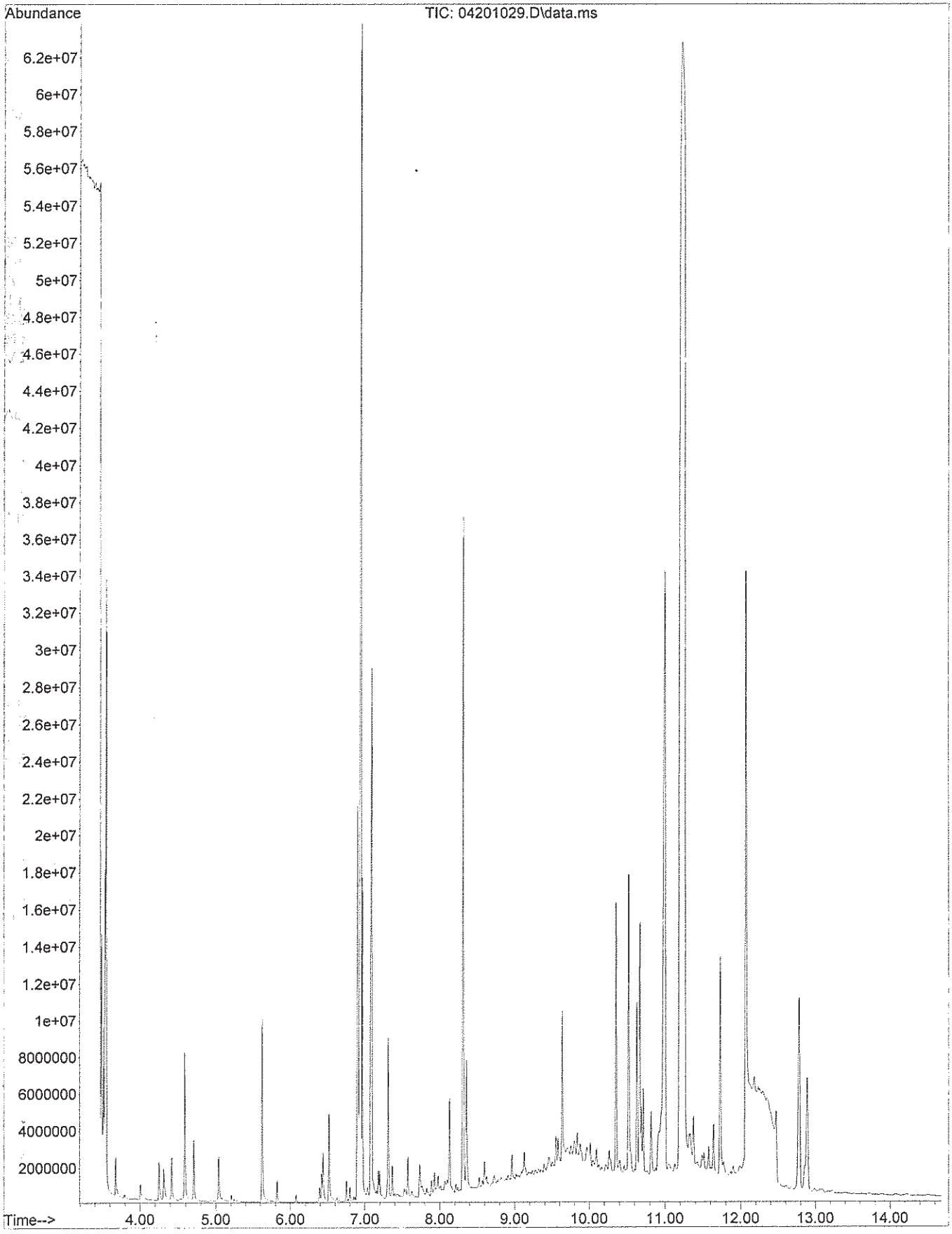
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.58	1,4-Dichlorobenzene-d4	6580887	20
2	5.62	Naphthalene-d8	9498221	20
3	7.08	Acenaphthene-d10	30944451	20
4	8.31	Phenanthrene-d10	31414894	20
5	10.52	Chrysene-d12	16777768	20
6	11.71	Perylene-d12	12174514	20

File : D:\MSDCHEM\1\DATA\2576757\04201029.D
Operator : SV15
Acquired : 21 Feb 2012 2:42 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_12
Misc Info : A6PT1/2001
Vial Number: 42



ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

CERTIFICATE OF ANALYSIS

Work Order	: **EM1201497**	Page	: 1 of 12
Client	: **GOLDER ASSOCIATES**	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6075 Building 79, 70-, 88 Swan St9Richmond9VIC. H121 WAT UWORN T ESU VIC9A4 SURALIA H122	Address	: 3 T estall Rd Springvale VIC Australia H171
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Project	: 11761H201	QC Level	: NEPM 1555 Schedule B(H) and ALS QCSH requirement
Order number	: GA-MELB H-2, 05		
C-O-C number	: 816,	Date Samples Received	: 1H-FEB-2012
Sampler	: RM	Issue Date	: 28-FEB-2012
Site	: F-VIC		
		No. of samples received	: 7
Quote number	: ME/0, 3/12	No. of samples analysed	: 3

Uhis 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.

Uhis Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

NATA
WORLD RECOGNISED ACCREDITATION

NAUA Accredited Laboratory 82,

Accredited for compliance with ISO/IEC 1702, .

Signatories

Uhis 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.

Signatories	*Position*	*Accreditation Category*
Dilani Fernando	Senior Inorganic Chemist	Melbourne Inorganics
Eric Chau	Metals Ueam Leader	Melbourne Inorganics
Nancy T ang	Senior Semivolatile Instrument Chemist	Melbourne Inorganics
Nancy T ang	Senior Semivolatile Instrument Chemist	Melbourne Organics
Phalak Inthaksone	Laboratory Manager - Organics	Sydney Organics
Varsha Wb T ing	Non-Metals Ueam Leader	Melbourne Inorganics
Xingbin Lin	Senior Organic Chemist	Melbourne Organics

General Comments

Uhe analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the 4SEPA9 APWA9 AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

T here moisture determination has been performed9results are reported on a dry weight basis.

T here a reported less than (<) result is higher than the LOR9this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

T here the LOR of a reported result differs from standard LOR9this may be due to high moisture content9insufficient sample (reduced weight employed) or matrix interference.

T hen sampling time information is not provided by the client9sampling dates are shown without a time component. In these instances9the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. Uhe Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = Uhis result is computed from individual analyte detections at or above the level of reporting

- **EP075: 'Sum of PAH' is the sum of the USEPA 16 priority PAHs**
- **EP321: PFOA & PFOS results are reported as an aggregate of linear and branched isomers.**
- **Perchlorates and PFOS/PFOA analysis conducted by ALS Sydney, NATA accreditation no. 825, site no 10911.**

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
				Client sampling date / time: 1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
				EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EA002 : pH (Soils)								
pH Value	----	0.1	pW4 nit	**5.8**	----	**8.1**	----	----
EA055: Moisture Content								
Moisture Content (dried @ 103°C)	----	1.0	µ	**8.2**	**16.4**	**19.5**	**20.3**	----
EG005T: Total Metals by ICP-AES								
Arsenic	7330-H8-2	,	mg/kg	<,	<,	<,	<,	----
Cadmium	7330-3H-5	1	mg/kg	<1	<1	<1	<1	----
Chromium	7330-37-H	2	mg/kg	**54**	**49**	**54**	**75**	----
Copper	7330-, 0-8	,	mg/kg	**6**	**5**	**8**	**9**	----
Lead	73H5-52-1	,	mg/kg	**12**	**12**	**10**	**17**	----
Nickel	7330-02-0	2	mg/kg	**11**	**12**	**23**	**27**	----
Zinc	7330-66-6	,	mg/kg	**7**	**7**	**8**	**13**	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	73H5-57-6	0.1	mg/kg	**0.1**	<0.1	<0.1	<0.1	----
EP004: Organic Matter								
Total Organic Carbon	----	0.,	µ	**2.1**	<0.,	<0.,	<0.,	----
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	H15-83-6	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Hexachlorobenzene (HCB)	118-73-1	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
beta-BHC	H15-8, -7	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
gamma-BHC	, 8-85-5	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
delta-BHC	H15-86-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Heptachlor	76-33-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Aldrin	H05-00-2	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Heptachlor epoxide	1023-, 7-H	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
trans-Chlordane	, 10H-73-2	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
alpha-Endosulfan	5, 5-58-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
cis-Chlordane	, 10H-71-5	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Dieldrin	60-, 7-1	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
4.4`-DDE	72-, , -5	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Endrin	72-20-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
beta-Endosulfan	HH21H-6, -5	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
4.4`-DDD	72-, 3-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Endrin aldehyde	7321-5H-3	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Endosulfan sulfate	10H1-07-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
4.4`-DDT	, 0-25-H	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----

Analytical Results

Sub-Matrix: SOIL			Client sample ID	A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
			Client sampling date / time	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
Compound	CAS Number	LOR	Unit	EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP068A: Organochlorine Pesticides (OC) - Continued								
Endrin ketone	, H353-70-,	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Methoxychlor	72-3H-,	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-7H-7	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Demeton-S-methyl	515-86-8	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Monocrotophos	652H-22-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Dimethoate	60-, 1-,	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Diazinon	H-H-31-,	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Chlorpyrifos-methyl	, , 58-1H-0	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Parathion-methyl	258-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Malathion	121-7, -,	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Fenthion	, , -H8-5	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Chlorpyrifos	2521-88-2	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Parathion	, 6-H8-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
Pirimphos-ethyl	2H, 0, -31-1	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Chlorfenvinphos	370-50-6	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Bromophos-ethyl	3823-78-6	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Fenamiphos	22223-52-6	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Prothiofos	H363H-36-3	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Ethion	, 6H-12-2	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Carbophenothion	786-15-6	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
Azinphos Methyl	86-, 0-0	0.0,	mg/kg	<0.0,	<0.0,	<0.0,	<0.0,	----
EP074A: Monocyclic Aromatic Hydrocarbons								
Styrene	100-32-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Isopropylbenzene	58-82-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
n-Propylbenzene	10H-6, -1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.3.5-Trimethylbenzene	108-67-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
sec-Butylbenzene	1H, -58-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2.4-Trimethylbenzene	5, -6H-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
tert-Butylbenzene	58-06-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
p-Isopropyltoluene	55-87-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
n-Butylbenzene	103-, 1-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP074B: Oxygenated Compounds								
Vinyl Acetate	108-0, -3	,	mg/kg	<,	<,	<,	<,	----
2-Butanone (MEK)	78-5H-H	,	mg/kg	<,	<,	<,	<,	----
4-Methyl-2-pentanone (MIBK)	108-10-1	,	mg/kg	<,	<,	<,	<,	----
2-Hexanone (MBK)	, 51-78-6	,	mg/kg	<,	<,	<,	<,	----
EP074C: Sulfonated Compounds								

Analytical Results

Sub-Matrix: SOIL			Client sample ID	A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
			Client sampling date / time	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
Compound	CAS Number	LOR	Unit	EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP074C: Sulfonated Compounds - Continued								
Carbon disulfide	7, -1, -0	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP074D: Fumigants								
2.2-Dichloropropane	, 53-20-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2-Dichloropropane	78-87-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
cis-1.3-Dichloropropylene	10061-01-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
trans-1.3-Dichloropropylene	10061-02-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2-Dibromoethane (EDB)	106-5H-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	7, -71-8	,	mg/kg	<,	<,	<,	<,	----
Chloromethane	73-87-H	,	mg/kg	<,	<,	<,	<,	----
Vinyl chloride	7, -01-3	,	mg/kg	<,	<,	<,	<,	----
Bromomethane	73-8H-5	,	mg/kg	<,	<,	<,	<,	----
Chloroethane	7, -00-H	,	mg/kg	<,	<,	<,	<,	----
Trichlorofluoromethane	7, -65-3	,	mg/kg	<,	<,	<,	<,	----
1.1-Dichloroethene	7, -H, -3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Iodomethane	73-88-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
trans-1.2-Dichloroethene	1, 6-60-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1-Dichloroethane	7, -H3-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
cis-1.2-Dichloroethene	1, 6-, 5-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1.1-Trichloroethane	71-, , -6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1-Dichloropropylene	, 6H-, 8-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Carbon Tetrachloride	, 6-2H-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2-Dichloroethane	107-06-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Trichloroethene	75-01-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Dibromomethane	73-5, -H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1.2-Trichloroethane	75-00-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.3-Dichloropropane	132-28-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Tetrachloroethene	127-18-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1.1.2-Tetrachloroethane	6H0-20-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
trans-1.4-Dichloro-2-butene	110-, 7-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
cis-1.4-Dichloro-2-butene	1376-11-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.1.2.2-Tetrachloroethane	75-H3-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2.3-Trichloropropane	56-18-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Pentachloroethane	76-01-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2-Dibromo-3-chloropropane	56-12-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-50-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Bromobenzene	108-86-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
				Client sampling date / time: 1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
				EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP074F: Halogenated Aromatic Compounds - Continued								
2-Chlorotoluene	5, -35-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Chlorotoluene	106-3H-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2.3-Trichlorobenzene	87-61-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP074G: Trihalomethanes								
Chloroform	67-66-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Bromodichloromethane	7, -27-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Dibromochloromethane	123-38-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Bromoform	7, -2, -2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075A: Phenolic Compounds								
Phenol	108-5, -2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2-Chlorophenol	5, -, 7-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2-Methylphenol	5, -38-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
3- & 4-Methylphenol	1H15-77-H	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
2-Nitrophenol	88-7, -,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.4-Dimethylphenol	10, -67-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.4-Dichlorophenol	120-8H-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.6-Dichlorophenol	87-6, -0	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Chloro-3-Methylphenol	, 5-, 0-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.4.6-Trichlorophenol	88-06-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.4.5-Trichlorophenol	5, -5, -3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Pentachlorophenol	87-86-,	1	mg/kg	<1	<1	<1	<1	----
EP075B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	51-20-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2-Methylnaphthalene	51-, 7-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2-Chloronaphthalene	51-, 8-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Acenaphthylene	208-56-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Acenaphthene	8H-H2-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Fluorene	86-7H-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Phenanthrene	8, -01-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Anthracene	120-12-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Fluoranthene	206-33-0	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Pyrene	125-00-0	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-2-Fluorenyl Acetamide	, H-56-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Benz(a)anthracene	, 6-, , -H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Chrysene	218-01-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Benzo(b) & Benzo(k)fluoranthene	20, -55-2 207-08-5	1	mg/kg	<1	<1	<1	<1	----
7.12-Dimethylbenz(a)anthracene	, 7-57-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----

Analytical Results

Sub-Matrix: SOIL			Client sample ID	A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
			Client sampling date / time	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
Compound	CAS Number	LOR	Unit	EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP075B: Polynuclear Aromatic Hydrocarbons - Continued								
Benzo(a)pyrene	, 0-H2-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
3-Methylcholanthrene	, 6-35-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Indeno(1.2.3.cd)pyrene	15H-H5-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Dibenz(a.h)anthracene	, H-70-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Benzo(g.h.i)perylene	151-23-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
^ Sum of PAHs	----	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075C: Phthalate Esters								
Dimethyl phthalate	1H1-11-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Diethyl phthalate	83-66-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Di-n-butyl phthalate	83-73-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Butyl benzyl phthalate	8, -68-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
bis(2-ethylhexyl) phthalate	117-81-7	0.,	mg/kg	<, .0	<, .0	<, .0	<, .0	----
Di-n-octylphthalate	117-83-0	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075D: Nitrosamines								
N-Nitrosomethylethylamine	10, 5, -5, -6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosodiethylamine	, , -18-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosopyrrolidine	5H0-, , -2	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
N-Nitrosomorpholine	, 5-85-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosodi-n-propylamine	621-63-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosopiperidine	100-7, -3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosodibutylamine	523-16-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
N-Nitrosodiphenyl & Diphenylamine	86-H0-6 122-H5-3	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
Methapyrilene	51-80-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075E: Nitroaromatics and Ketones								
2-Picoline	105-06-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Acetophenone	58-86-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Nitrobenzene	58-5, -H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Isophorone	78-, 5-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2.6-Dinitrotoluene	606-20-2	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
2.4-Dinitrotoluene	121-13-2	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
1-Naphthylamine	1H3-H2-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Nitroquinoline-N-oxide	, 6-, 7-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
5-Nitro-o-toluidine	55-, , -8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Azobenzene	10H-H-H-H	1	mg/kg	<1	<1	<1	<1	----
1.3.5-Trinitrobenzene	55-H, -3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Phenacetin	62-33-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Aminobiphenyl	52-67-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
				Client sampling date / time: 1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
				EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP075E: Nitroaromatics and Ketones - Continued								
Pentachloronitrobenzene	82-68-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Pronamide	2H5, 0-, 8-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Dimethylaminoazobenzene	60-11-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Chlorobenzilate	, 10-1, -6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075F: Haloethers								
Bis(2-chloroethyl) ether	111-33-3	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Bis(2-chloroethoxy) methane	111-51-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Chlorophenyl phenyl ether	700, -72-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Bromophenyl phenyl ether	101-, , -H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075G: Chlorinated Hydrocarbons								
1.3-Dichlorobenzene	, 31-7H-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.4-Dichlorobenzene	106-36-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2-Dichlorobenzene	5, -, 0-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Hexachloroethane	67-72-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
1.2.4-Trichlorobenzene	120-82-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Hexachloropropylene	1888-71-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Hexachlorobutadiene	87-68-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Hexachlorocyclopentadiene	77-37-3	0.,	mg/kg	<2.,	<2.,	<2.,	<2.,	----
Pentachlorobenzene	608-5H-,	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Hexachlorobenzene (HCB)	118-73-1	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
EP075H: Anilines and Benzidines								
Aniline	62-, H-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Chloroaniline	106-37-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
2-Nitroaniline	88-73-3	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
3-Nitroaniline	55-05-2	0.,	mg/kg	<1.0	<1.0	<1.0	<1.0	----
Dibenzofuran	1H2-63-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
4-Nitroaniline	100-01-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Carbazole	86-73-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
3.3`-Dichlorobenzidine	51-53-1	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
EP075I: Organochlorine Pesticides								
alpha-BHC	H15-83-6	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
beta-BHC	H15-8, -7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
gamma-BHC	, 8-85-5	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
delta-BHC	H15-86-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Heptachlor	76-33-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Aldrin	HD5-00-2	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Heptachlor epoxide	1023-, 7-H	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
alpha-Endosulfan	5, 5-58-8	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----

Analytical Results

Sub-Matrix: SOIL				Client sample ID	A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
				Client sampling date / time	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
Compound	CAS Number	LOR	Unit		EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP075I: Organochlorine Pesticides - Continued									
4.4`-DDE	72-, , -5	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Dieldrin	60-, 7-1	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Endrin	72-20-8	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
beta-Endosulfan	HH21H-6, -5	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
4.4`-DDD	72-, 3-8	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Endosulfan sulfate	10H1-07-8	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
4.4`-DDT	, 0-25-H	0.,	mg/kg		<1.0	<1.0	<1.0	<1.0	----
EP075J: Organophosphorus Pesticides									
Dichlorvos	62-7H-7	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Dimethoate	60-, 1-,	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Diazinon	H-H-31-,	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Chlorpyrifos-methyl	, , 58-1H-0	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Malathion	121-7, -,	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Fenthion	, , -H8-5	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Chlorpyrifos	2521-88-2	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Pirimphos-ethyl	2H, 0, -31-1	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Chlorfenvinphos	370-50-6	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Prothiofos	H363H-36-3	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Ethion	, 6H-12-2	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	<10	----
C10 - C14 Fraction	----	, 0	mg/kg		<, 0	<, 0	<, 0	<, 0	----
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	**260**	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
^ C10 - C36 Fraction (sum)	----	, 0	mg/kg		<, 0	<, 0	<, 0	**260**	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft									
C6 - C10 Fraction	----	10	mg/kg		<10	<10	<10	<10	----
^ C6 - C10 Fraction minus BTEX (F1)	----	10	mg/kg		<10	<10	<10	<10	----
>C10 - C16 Fraction	----	, 0	mg/kg		<, 0	<, 0	<, 0	**50**	----
>C16 - C34 Fraction	----	100	mg/kg		<100	<100	<100	**270**	----
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
^ >C10 - C40 Fraction (sum)	----	, 0	mg/kg		<, 0	<, 0	<, 0	**320**	----
EP080: BTEX									
Benzene	71-3H-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	----
Toluene	108-88-H	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
Ethylbenzene	100-31-3	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
meta- & para-Xylene	108-H8-H 106-32-H	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----
ortho-Xylene	5, -37-6	0.,	mg/kg		<0.,	<0.,	<0.,	<0.,	----

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A6PT4/2001	A6PT2/2002	A6PT3/2002	A6PT1/2001	----
				Client sampling date / time: 1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	1H-FEB-2012 1, :00	----
				EM1201497-001	EM1201497-004	EM1201497-006	EM1201497-007	----
EP080: BTEXN								
^ Sum of BTEX	----	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	----
^ Total Xylenes	1H-H0-20-7	0.,	mg/kg	<0.,	<0.,	<0.,	<0.,	----
Naphthalene	51-20-H	1	mg/kg	<1	<1	<1	<1	----
EP216: Perchlorate by LC/MS								
Perchlorate	7601-50-H	10.0	%g/kg	<10.0	<10.0	<10.0	<10.0	----
EP231: Perfluorooctyl Acids and Sulfonates.								
PFOS	176H-2H-1	0.000,	mg/kg	**0.0050**	<0.000,	<0.000,	**0.0010**	----
PFOA	H-H, -67-1	0.000,	mg/kg	<0.000,	<0.000,	<0.000,	<0.000,	----
6:2 Fluorotelomer Sulfonate (6:2 FtS)	27615-57-2	0.00,	mg/kg	<0.00,	<0.00,	<0.00,	<0.00,	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	20, 1-23-H	0.1	µ	**78.2**	**65.5**	**77.1**	**94.5**	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	216, , -7H-2	0.1	µ	**95.7**	**70.6**	**91.1**	**108**	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-38-8	0.1	µ	**79.5**	**58.4**	**75.4**	**108**	----
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.1	µ	**79.8**	**82.3**	**81.3**	**79.0**	----
Toluene-D8	20H7-26-,	0.1	µ	**87.9**	**82.8**	**87.5**	**86.0**	----
4-Bromofluorobenzene	360-00-3	0.1	µ	**83.7**	**83.0**	**87.0**	**82.6**	----
EP075S: Acid Extractable Surrogates								
2-Fluorophenol	H67-12-3	0.1	µ	**82.0**	**87.7**	**102**	**97.4**	----
Phenol-d6	1H127-88-H	0.1	µ	**77.0**	**83.4**	**91.1**	**92.0**	----
2-Chlorophenol-D4	5H5, 1-7H-6	0.1	µ	**76.9**	**73.2**	**85.3**	**83.8**	----
2.4.6-Tribromophenol	118-75-6	0.1	µ	**83.4**	**73.2**	**78.0**	**90.2**	----
EP075T: Base/Neutral Extractable Surrogates								
Nitrobenzene-D5	316, -60-0	0.1	µ	**82.1**	**84.8**	**95.7**	**86.6**	----
1.2-Dichlorobenzene-D4	2155-65-1	0.1	µ	**72.6**	**70.2**	**71.5**	**70.7**	----
2-Fluorobiphenyl	H21-60-8	0.1	µ	**83.2**	**77.4**	**86.4**	**86.6**	----
Anthracene-d10	1715-06-8	0.1	µ	**104**	**96.0**	**106**	**99.9**	----
4-Terphenyl-d14	1718-, 1-0	0.1	µ	**95.5**	**86.1**	**97.2**	**93.5**	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.1	µ	**81.6**	**84.4**	**83.7**	**81.9**	----
Toluene-D8	20H7-26-,	0.1	µ	**89.0**	**84.1**	**88.5**	**88.4**	----
4-Bromofluorobenzene	360-00-3	0.1	µ	**87.3**	**85.4**	**89.8**	**88.8**	----

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	20, 1-23-H	HH	1HH
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	216, , -7H-2	25.8	136
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-38-8	2H.7	136
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	62	122
Toluene-D8	20H7-26-,	63	120
4-Bromofluorobenzene	360-00-3	66	123
EP075S: Acid Extractable Surrogates			
2-Fluorophenol	H67-12-3	13	126
Phenol-d6	1H127-88-H	12.2	122
2-Chlorophenol-D4	5H5, 1-7H-6	13.2	127
2.4.6-Tribromophenol	118-75-6	12.3	1HH
EP075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-D5	316, -60-0	12.3	128
1.2-Dichlorobenzene-D4	2155-65-1	11.6	108
2-Fluorobiphenyl	H21-60-8	18.7	127
Anthracene-d10	1715-06-8	28.,	132
4-Terphenyl-d14	1718-, 1-0	2, .8	1HB
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	, 7	125
Toluene-D8	20H7-26-,	, 8	120
4-Bromofluorobenzene	360-00-3	, 6	126

QUALITY CONTROL REPORT

Work Order	: **EM1201357**	Page	: 1 of 3L
i lneEy	: **GOLDER ASSOCIATES**	bar otayotC	: v EmtoED eEyal MmmsroE u elr octEe
i oEyaNy	: h raDk u N otDaNS	i oEyaNy	: AaDaEyka ADnyk
dCCtess	: P B XB6 L079 XcrtOEg 7, 570-588 AwaE Ay, RrNkDoEO, Vli . 2131 HdWTHBRh WvAT Vli , dUATRdbld 2133	dCCtess	: 4 Wesyall ROAptrEgmale Vli dcsytalra 2171
v-Darl	: EDNNotDaNS@golCet.NoD.ac	v-Darl	: saDaEyka.sDnyk@alsglor al.NoD
TelepkoEe	: +L1 02 88L3 2500	TelepkoEe	: +L1-2-8549 9L44
FaNsrDrle	: +L1 02 88L3 2501	FaNsrDrle	: +L1-2-8549 9L01
PtojeNy	: 117L12301	Qi bemel	: h v Pu 1999 ANkeCcle X(2) aEOdbA Qi A2 teqcrteDeEy
Anye	: F-Vli		
i -B-i EcDr et	: 81L5	Maye AaDples ReNemeO	: 12-Fv X-3013
AaDplet	: Ru	Issce Maye	: 38-Fv X-3013
BtCet EcDr et	: Kd-u v bX 223509		
		ho. of saDples teNemeO	: 7
Qcoye EcDr et	: u v G54G3	ho. of saDples aEalCseO	: 4

Tkrs tepoty scpetseCes aEC ptemrocs tepoty(s) wnyk ykrs tefeteENe. Resclys applC yo yke saDple(s) as scr DnyeO. dll pages of ykrs tepoty kame reeE NkeNSeO aEO apptomeO fot telease.

Tkrs QcalnyCi oEytol RepotyNoEyamEs yke followrEg rEfotDayroE:

- bar otayotCMcplrNaye (MUP) Repoty/ Relayrne PetNeEyage MrffeteENe (RPM) aEOdNNepyaENe brDrys
- u eykoOXlaES (u X) aEObar otayotCi oEytol AprSe (bi A) Repoty/ ReNbrnetCaEOdNNepyaENe brDrys
- u aytn AprSe (u A) Repoty/ ReNbrnetCaEOdNNepyaENe brDrys

NATA
WORLD RECOGNISED
ACCREDITATION

hdTd dNNteOrjeOfot NoDplraENe wnyk IABCBvi 17035.

hdTd dNNteOrjeObar otayotC835

Signatories

Tkrs CoNcDeEy kas reeE eleNytoErNallC srgEeO rC yke acykotrxeO srgEayotres rEOrNayeO relow. vleNytoErN srgErEg kas reeE NattrreOocyrrE NoDplraENe wnyk ptoNeCctes speNfrreOrE 31 i FR Paty11.

Signatories	*Position*	*Accreditation Category*
MrlaEnFetEaECo	AeErot IEotgaErNi keDrsy	u elr octEe IEotgaErNs
v trNi kac	u eyals TeaD beaCet	u elr octEe IEotgaErNs
h aENCWaEg	AeErot AeDrrrolayrle IEsytcDeEyi keDrsy	u elr octEe IEotgaErNs
h aENCWaEg	AeErot AeDrrrolayrle IEsytcDeEyi keDrsy	u elr octEe BtgaErNs
PkalaS IEykaSsoEe	bar otayotCu aEaget - BtgaErNs	ACCEeCBtgaErNs
Vatska Ho WrlEg	hroE-u eyals TeaD beaCet	u elr octEe IEotgaErNs
6rlEgr rE brnE	AeErot BtgaErNi keDrsy	u elr octEe BtgaErNs

General Comments

Tke aEalOyNal ptoNeOctes cseO r C yke v EmtioEDeEyal MmmsmoE kame reeE OemelopeO ftoD esyarlnskeO nEyetEaymoEallC teNogEnxeO ptoNeOctes scNk as ykose pcrlnskeO r C yke UAvPd, dPHd, dA aEO h v Pu. lE kocse OemelopeOptoNeOctes ate eDploCeOnE yke arseENe of CoNcDeEyeOsyaECatOs ot r CNmeEyteqcesy.

Wkete Domsycte OeyetDnEaymoE kas reeE petfotDeO, tesclys ate tepotyeOoE a OtCwemgkyr asms.

Wkete a tepotyeOless ykaE (z) tesclyns kmgket ykaE yke bBR, ykns DaCr e Oce yo ptnDatCsaDple e; ytaNyGmgesyaye OncymoE aEOGot nEscffrNmeEysaDple fot aEalOsms.

Wkete yke bBR of a tepotyeOtesclyOnffets ftoD syaECatObBR, ykns DaCr e Oce yo kmgk Domsycte NoEyeEy, nEscffrNmeEysaDple (teOcNeOwemgkyeDploCeO) ot Daytn, nEyetfeteENe.

#eC: dEoEODocs < Refets yo saDples wknNk ate EoyspeNfrNallCpatyofykns wotSotOet r cyfotDeOpatyofyke Qi ptoNess loy
i dA hcDr et < i dA tegmsytCEcDr et ftoD Oayar ase DarEyamEeOr Ci keDrNal dr sytaNys AetmnNes. Tke i keDrNal dr sytaNys AetmnNe rs a OmmsmoE of yke dDetrNaE i keDrNal AoNmeyC.
bBR < brnDnyof tepotyrEg
RPM < Relaymne PetNeEyage MnffeteENe
= < lEOrNayes famleOQi

Laboratory Duplicate (DUP) Report

Tke qcalnyC NoEytol yetD bar otayotC McplnNaye tefets yo a taEOoDIC seleNyeO nEytalar otayotC splny. bar otayotC OcplnNayes ptomOe nEfotDayroE tegatOnEg DeykoO pteNsroE aEO saDple keyetogeEenyC. Tke petDnyeO taEges fot yke Relaynne PetNeEy MemeayroE (RPM) of bar otayotC McplnNayes ate speNfneO nE dbA u eykoO QWI-v hQ28 aEO ate CepeEOeEy oE yke DagEnycOe of tesclys nE NoDpatnsoE yo yke lenel of tepotynEg: Rescly z 10 ynDes bBR:- h o brnDny Resclyr eyweeE 10 aEO 30 ynDes bBR:- 0% - 50%/ Rescly> 30 ynDes bBR:- 0% - 30%.

Acr-u ayt n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EA002 : Fi sSolvt a sb C Loy: 2171073a									
v u 1301497-001	dLPT4G3001	v d003: pH Valce	----	0.1	pH UEry	5.8	5.7	1.7	0% - 30%
EA0PP: Molt y- re Co(ye(y sb C Loy: 217001Qa									
v u 1301482-015	dEoECDocs	v d055-102: u orsycte i oEyeEy(OtreO@ 102°i)	----	1.0	%	9.0	9.1	0.0	h o brnDry
v u 1301482-05L	dEoECDocs	v d055-102: u orsycte i oEyeEy(OtreO@ 102°i)	----	1.0	%	2L.9	25.2	4.4	0% - 30%
EG00PT: Toy4vMey4vt) c lCu6AES sb C Loy: 21h1Q0Pa									
v u 1301441-001	dEoECDocs	v K005T: i aCDrncD	7440-42-9	1	DgCSg	z1	z1	0.0	h o brnDry
		v K005T: i ktoDrncD	7440-47-2	3	DgCSg	4L	41	11.7	0% - 30%
		v K005T: h rnNSel	7440-03-0	3	DgCSg	3L	34	L.5	0% - 50%
		v K005T: dtseErN	7440-28-3	5	DgCSg	7	z5	37.L	h o brnDry
		v K005T: i oppet	7440-50-8	5	DgCSg	15	14	0.0	h o brnDry
		v K005T: beaO	7429-93-1	5	DgCSg	20	21	4.3	h o brnDry
		v K005T: ZnEN	7440-LL-L	5	DgCSg	91	74	30.2	0% - 50%
v u 1301553-008	dEoECDocs	v K005T: i aCDrncD	7440-42-9	1	DgCSg	z1	z1	0.0	h o brnDry
		v K005T: i ktoDrncD	7440-47-2	3	DgCSg	L2	59	5.L	0% - 30%
		v K005T: h rnNSel	7440-03-0	3	DgCSg	32	34	L.0	0% - 50%
		v K005T: dtseErN	7440-28-3	5	DgCSg	z5	z5	0.0	h o brnDry
		v K005T: i oppet	7440-50-8	5	DgCSg	8	9	0.0	h o brnDry
		v K005T: beaO	7429-93-1	5	DgCSg	18	10	5L.5	h o brnDry
		v K005T: ZnEN	7440-LL-L	5	DgCSg	10	10	0.0	h o brnDry
EG0CPT: Toy4vRenoBer4) ve Mern- rc) c plMS sb C Loy: 21h1Q08a									
v u 1301441-001	dEoECDocs	v K025T: u etNctC	7429-97-L	0.1	DgCSg	z0.1	z0.1	0.0	h o brnDry
v u 1301553-008	dEoECDocs	v K025T: u etNctC	7429-97-L	0.1	DgCSg	0.1	0.1	0.0	h o brnDry
Eu003: Org4(In M4yyer sb C Loy: 2171hh5a									
v u 1301497-001	dLPT4G3001	v P004: Toyal BtgaErNi atr oE	----	0.5	%	3.1	3.1	0.0	h o brnDry
v u 1301575-008	dEoECDocs	v P004: Toyal BtgaErNi atr oE	----	0.5	%	0.7	0.L	0.0	h o brnDry
Eu088: uovcnmorl(4yed HIFme(cvt suCHa sb C Loy: 2171Q53a									
v u 1301441-001	dEoECDocs	v P0LL: Toyal PolCNklotrnEayeOr npkeECs	----	0.10	DgCSg	z0.50	z0.50	0.0	h o brnDry
v u 1301553-011	dEoECDocs	v P0LL: Toyal PolCNklotrnEayeOr npkeECs	----	0.10	DgCSg	z0.10	z0.10	0.0	h o brnDry
Eu08hA: Org4(onmorl(e uet ylnldet sOCa sb C Loy: 2171Q5Qa									
v u 1301441-001	dEoECDocs	v P0L8: alpka-XHi	219-84-L	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: r eya-XHi	219-85-7	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: gaDDa-XHi	58-89-9	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: Oelya-XHi	219-8L-8	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu08hA: Org4(onmorl(e uetylnldet sOCa sb C Loy: 2171Q5Qa 6no(yl(- ed									
v u 1301441-001	d EoECDocs	v P0L8: HepyaNklot	7L-44-8	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: dlCtnE	209-00-3	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: Nns-i klotOaEe	5102-71-9	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: MrelCtnE	L0-57-1	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: v ECtnE	73-30-8	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: v ECtnE alOekCOe	7431-92-4	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: v ECtnE SeyoEe	52494-70-5	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z1.0	z1.0	0.0	h o bnDry
		v P0L8: u eyko; CNklot	73-42-5	0.3	DgGSg	z1.0	z1.0	0.0	h o bnDry
v u 1301553-011	d EoECDocs	v P0L8: alpka-XHi	219-84-L	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: r eya-XHi	219-85-7	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: gaD Da-XHi	58-89-9	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: Oelya-XHi	219-8L-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: HepyaNklot	7L-44-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: dlCtnE	209-00-3	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: Nns-i klotOaEe	5102-71-9	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: MrelCtnE	L0-57-1	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: v ECtnE	73-30-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: v ECtnE alOekCOe	7431-92-4	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: v ECtnE SeyoEe	52494-70-5	0.05	DgGSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z0.3	z0.3	0.0	h o bnDry
		v P0L8: u eyko; CNklot	73-42-5	0.3	DgGSg	z0.3	z0.3	0.0	h o bnDry
Eu08hH: Org4(oFrnot Frnor- t uetylnldet sOua sb C Loy: 2171Q5Qa									
v u 1301441-001	d EoECDocs	v P0L8: MrNklotnos	L3-72-7	0.05	DgGSg	z0.35	z0.35	0.0	h o bnDry

Acr-u ayln : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu08hH: Org4(oFmot Fmor- t uet ylnldet sOua sb C Loy: 2171Q5Qa 6no(yl(- ed									
v u 1301441-001	d EoECDocs	v P0L8: MeDeyoE-A-DeykCl	919-8L-8	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: MnDeykoaye	L0-51-5	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: MraxnEoE	222-41-5	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: i klotpCrnfos-DeykCl	5598-12-0	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: u alaykroE	131-75-5	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: FeEykroE	55-28-9	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: i klotpCrnfos	3931-88-3	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: PrnDpkos-eykCl	32505-41-1	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: i klotfeEmEpkos	470-90-L	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: FeEaDrpkos	33334-93-L	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: vykroE	5L2-13-3	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: dxrnEpkos u eykCl	8L-50-0	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDry
		v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgCSg	z1.0	z1.0	0.0	h o bnDry
		v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgCSg	z1.0	z1.0	0.0	h o bnDry
		v P0L8: PataykroE	5L-28-3	0.3	DgCSg	z1.0	z1.0	0.0	h o bnDry
v u 1301553-011	d EoECDocs	v P0L8: MrNklotnos	L3-72-7	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: MeDeyoE-A-DeykCl	919-8L-8	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: MnDeykoaye	L0-51-5	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: MraxnEoE	222-41-5	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: i klotpCrnfos-DeykCl	5598-12-0	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: u alaykroE	131-75-5	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: FeEykroE	55-28-9	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: i klotpCrnfos	3931-88-3	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: PrnDpkos-eykCl	32505-41-1	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: i klotfeEmEpkos	470-90-L	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: FeEaDrpkos	33334-93-L	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: vykroE	5L2-13-3	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: dxrnEpkos u eykCl	8L-50-0	0.05	DgCSg	z0.05	z0.05	0.0	h o bnDry
		v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgCSg	z0.3	z0.3	0.0	h o bnDry
		v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgCSg	z0.3	z0.3	0.0	h o bnDry
		v P0L8: PataykroE	5L-28-3	0.3	DgCSg	z0.3	z0.3	0.0	h o bnDry
Eu073A: Mo(oncnvln Aro9 4yln i cdron4r) o(t sb C Loy: 21855P8a									
v u 1301497-001	d LPT4C3001	v P074: AyCteEe	100-43-5	0.5	DgCSg	z0.5	z0.5	0.0	h o bnDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu073A: Mo(oncnvln Aro9 4yln i cdron4r) o(t sb C Loy: 21855P8a 6no(yl(- ed									
v u 1301497-001	dLPT4G3001	v P074: IsoptopOr reExeEe	98-83-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: E-PtopOr reExeEe	102-L5-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.2.5-TtnDeykOr reExeEe	108-L7-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: seN-XcyOr reExeEe	125-98-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.4-TtnDeykOr reExeEe	95-L2-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: yety-XcyOr reExeEe	98-0L-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: p-IsoptopOyolceEe	99-87-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: E-XcyOr reExeEe	104-51-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu073H: Oxcge(4yed Co9 Fo- (dt sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: VnEOl dNeyaye	108-05-4	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: 3-XcyaEoEe (u v #)	78-92-2	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: 4-u eykOl-3-peEyaEoEe (u IX#)	108-10-1	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: 3-He; aEoEe (u X#)	591-78-L	5	DgGSg	z5	z5	0.0	h o brDry
Eu073C: S- vfo(4yed Co9 Fo- (dt sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: i atr oE OtsclfnOe	75-15-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu073D: p- 9 lg4(yt sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: 3.3-MrtNklotoptopaEe	594-30-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrtNklotoptopaEe	78-87-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nns-1.2-MrtNklotoptopOeEe	100L1-01-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: ytaEs-1.2-MrtNklotoptopOeEe	100L1-03-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-Mrr toDoeykaEe (v MX)	10L-92-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu073E: i 4voge(4yed AvlFm4yln Co9 Fo- (dt sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: 1.1-MrtNklotoeykeEe	75-25-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: IoOoDeykaEe	74-88-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: ytaEs-1.3-MrtNklotoeykeEe	15L-L0-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1-MrtNklotoeykaEe	75-24-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nns-1.3-MrtNklotoeykeEe	15L-59-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.1-TtrtNklotoeykaEe	71-55-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1-MrtNklotoptopOeEe	5L2-58-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: i atr oE TeytaNklotrnOe	5L-32-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrtNklotoeykaEe	107-0L-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: TtrtNklotoeykeEe	79-01-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: Mrr toDoDeykaEe	74-95-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.3-TtrtNklotoeykaEe	79-00-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.2-MrtNklotoptopaEe	143-38-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: TeytaNklotoeykeEe	137-18-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.1.3-TeytaNklotoeykaEe	L20-30-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: ytaEs-1.4-MrtNkloto-3-r cyeEe	110-57-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nns-1.4-MrtNkloto-3-r cyeEe	147L-11-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu073E: i 4voge(4yed AvFm4yn Co9 Fo-(dt sb C Loy: 21855P8a 6no(y(- ed									
v u 1301497-001	dLPT4G3001	v P074: 1.1.3.3-TeytaNklotoeykaEe	79-24-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.2-TtrNklotoptopaEe	9L-18-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: PeEyaNklotoeykaEe	7L-01-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrrtoDo-2-Nklotoptopa Ee	9L-13-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: MrNklotoOflcotoDeykaEe	75-71-8	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: i klotoDeykaEe	74-87-2	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: VrECl Nklotr0e	75-01-4	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: XtoDoDeykaEe	74-82-9	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: i klotoeykaEe	75-00-2	5	DgGSg	z5	z5	0.0	h o brDry
		v P074: TtrNklotoflcotoDeykaEe	75-L9-4	5	DgGSg	z5	z5	0.0	h o brDry
Eu073p: i 4voge(4yed Aro9 4yn Co9 Fo-(dt sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: i klotor eExeEe	108-90-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDor eExeEe	108-8L-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 3-i klotoyolceEe	95-49-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 4-i klotoyolceEe	10L-42-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.2-TtrNklotor eExeEe	87-L1-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu073G: Trlm4vo9 eym4(et sb C Loy: 21855P8a									
v u 1301497-001	dLPT4G3001	v P074: i klotofotD	L7-LL-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDoOrNklotoDeykaEe	75-37-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: MrrtoDoNklotoDeykaEe	134-48-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDofotD	75-35-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu07PA: urre(ovln Co9 Fo-(dt sb C Loy: 2171Q58a									
v u 1301441-001	dEoECDocs	v P075: PkeEol	108-95-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotopkeEol	95-57-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykOpkeEol	95-48-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2- & 4-u eykOpkeEol	1219-77-2	0.5	DgGSg	z1.0	z1.0	0.0	h o brDry
		v P075: 3-hmtopkeEol	88-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4-MrDeykOpkeEol	105-L7-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i kloto-2-u eykOpkeEol	59-50-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.L-TtrNklotopkeEol	88-0L-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.5-TtrNklotopkeEol	95-95-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PeEyaNklotopkeEol	87-8L-5	1	DgGSg	z1	z1	0.0	h o brDry
v u 1301553-011	dEoECDocs	v P075: PkeEol	108-95-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotopkeEol	95-57-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykOpkeEol	95-48-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2- & 4-u eykOpkeEol	1219-77-2	0.5	DgGSg	z1.0	z1.0	0.0	h o brDry
		v P075: 3-hmtopkeEol	88-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayln, : **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Eu07PA: umre(ovln Co9 Fo-(dt sb C Loy: 2171Q58a 6no(yl(-ed									
v u 1301553-011	d EoECD ocs	v P075: 3.4-MrD eykClpkeEol	105-L7-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i kloto-2-u eykClpkeEol	59-50-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.L-TtrNklotopkeEol	88-0L-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.5-TtrNklotopkeEol	95-95-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PeEyaNklotopkeEol	87-8L-5	1	DgGSg	z1	z1	0.0	h o brDry
Eu07PH: uovc(-nve4r Aro9 4yln i cdron4r) o(t sb C Loy: 2171Q58a									
v u 1301441-001	d EoECD ocs	v P075: h apkykaleEe	91-30-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykClEapkykaleEe	91-57-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d NeEapkykCleEe	308-9L-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d NeEapkykeEe	82-23-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FlcoteEe	8L-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PkeEaEykteEe	85-01-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d EyktaNeEe	130-13-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FlcotaEykeEe	30L-44-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PCteEe	139-00-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -3-FlcoteECl dNeyaDrCe	52-9L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i ktCseEe	318-01-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 7.13-MrD eykClr eEx(a)aEyktaNeEe	57-97-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(a)pCteEe	50-23-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2-u eykClNkolaEykteEe	5L-49-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: IECeEo(1.3.2.NO)pCteEe	192-29-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: Mrr eEx(a.k)aEyktaNeEe	52-70-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(g.k.r)petCteEe	191-34-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: AcD of PdHs	---	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgGSg	z1	z1	0.0	h o brDry
v u 1301553-011	d EoECD ocs	v P075: h apkykaleEe	91-30-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykClEapkykaleEe	91-57-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d NeEapkykCleEe	308-9L-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d NeEapkykeEe	82-23-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FlcoteEe	8L-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PkeEaEykteEe	85-01-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: d EyktaNeEe	130-13-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FlcotaEykeEe	30L-44-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PCteEe	139-00-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayln) : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu07PH: uovc(- nve4r Aro9 4yln i cdron4r) o(t sb C Loy: 2171Q58a 6no(yl(- ed									
v u 1301553-011	d EoECDocs	v P075: h -3-FlcoteECl dNeyaDnOe	52-9L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i ktOseEe	318-01-9	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 7.13-MnDeykOreEx(a)aEyktaNeEe	57-97-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XeExo(a)pOteEe	50-23-8	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 2-u eykONkolaEykteEe	5L-49-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: IEOeEo(1.3.2.NO)pOteEe	192-29-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnreEx(a.k)aEyktaNeEe	52-70-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XeExo(g.k.n)petOeEe	191-34-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: AcD of PdHs	----	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgGSg	z1	z1	0.0	h o bnDry
Eu07PC: umym4v4ye Et yert sb C Loy: 2171Q58a									
v u 1301441-001	d EoECDocs	v P075: MnDeykOl pkykalaye	121-11-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnreykOl pkykalaye	84-LL-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnE-r cyOl pkykalaye	84-74-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XcyOl reExOl pkykalaye	85-L8-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: r ns(3-eykOlke; Ol) pkykalaye	117-81-7	0.5	DgGSg	z5.0	z5.0	0.0	h o bnDry
		v P075: MnE-oNyOlpkykalaye	117-84-0	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
v u 1301553-011	d EoECDocs	v P075: MnDeykOl pkykalaye	121-11-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnreykOl pkykalaye	84-LL-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnE-r cyOl pkykalaye	84-74-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: XcyOl reExOl pkykalaye	85-L8-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: r ns(3-eykOlke; Ol) pkykalaye	117-81-7	0.5	DgGSg	z5.0	z5.0	0.0	h o bnDry
		v P075: MnE-oNyOlpkykalaye	117-84-0	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
Eu07PD: Nlyrot 49 l(et sb C Loy: 2171Q58a									
v u 1301441-001	d EoECDocs	v P075: h -h nytosoDeykOleykOlaDnEe	10595-95-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOneykOlaDnEe	55-18-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosopOttolnOnEe	920-55-3	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: h -h nytosoDotpkolnEe	59-89-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnE-ptopOlaDnEe	L31-L4-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosopnpetnOnEe	100-75-4	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnr cyOlaDnEe	934-1L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnpkeEOl & MnpkeEOlaDnEe	8L-20-L 133-29-4	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: u eykapOnneEe	91-80-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
v u 1301553-011	d EoECDocs	v P075: h -h nytosoDeykOleykOlaDnEe	10595-95-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOneykOlaDnEe	55-18-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosopOttolnOnEe	920-55-3	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry

Acr-u ayln, : **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Eu07PD: Nlyrot 49 l(et sb C Loy: 2171Q58a 6no(y)(- ed									
v u 1301553-011	d EoECD ocs	v P075: h -h nytosoD otpkolnEe	59-89-3	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnE-ptopCaDnEe	L31-L4-7	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosopnpetnOnEe	100-75-4	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnrcyCaDnEe	934-1L-2	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h -h nytosoOnpkeECl & MnpkeECaDnEe	8L-20-L 133-29-4	0.5	D gGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: u eykapCnheEe	91-80-5	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
Eu07PE: Nlyro4ro9 4ylnt 4(d Keyo(et sb C Loy: 2171Q58a									
v u 1301441-001	d EoECD ocs	v P075: 3-PnNolnEe	109-0L-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: d NeyopkeEoEe	98-8L-3	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h nytor eExeEe	98-95-2	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Isopkotoee	78-59-1	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 3.L-MnEnytoyolceEe	L0L-30-3	0.5	D gGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: 3.4-MnEnytoyolceEe	131-14-3	0.5	D gGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: 1-h apkykCaDnEe	124-23-7	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-h nytoqcnEolnEe-h -o; nOe	5L-57-5	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 5-h nyto-o-yolcnOnEe	99-55-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.2.5-TtnEnytor eExeEe	99-25-4	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PkeEaNeynE	L3-44-3	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-d DnEor npkeECl	93-L7-1	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PeEyaNklotoEnytor eExeEe	83-L8-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PtoEaDnOe	32950-58-5	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnDeykCaDnEoaxor eExeEe	L0-11-7	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotor eExnaye	510-15-L	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: d xor eExeEe	102-22-2	1	D gGSg	z1	z1	0.0	h o bnDry
v u 1301553-011	d EoECD ocs	v P075: 3-PnNolnEe	109-0L-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: d NeyopkeEoEe	98-8L-3	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: h nytor eExeEe	98-95-2	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Isopkotoee	78-59-1	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 3.L-MnEnytoyolceEe	L0L-30-3	0.5	D gGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: 3.4-MnEnytoyolceEe	131-14-3	0.5	D gGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: 1-h apkykCaDnEe	124-23-7	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-h nytoqcnEolnEe-h -o; nOe	5L-57-5	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 5-h nyto-o-yolcnOnEe	99-55-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.2.5-TtnEnytor eExeEe	99-25-4	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PkeEaNeynE	L3-44-3	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-d DnEor npkeECl	93-L7-1	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PeEyaNklotoEnytor eExeEe	83-L8-8	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PtoEaDnOe	32950-58-5	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnDeykCaDnEoaxor eExeEe	L0-11-7	0.5	D gGSg	z0.5	z0.5	0.0	h o bnDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu07PE: Nlyro4ro9 4ylnt 4(d Keyo(et sb C Loy: 2171C58a 6no(y(- ed									
v u 1301553-011	d EoECDocs	v P075: i klotor eExmaye	510-15-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: dxor eExeEe	102-22-2	1	DgCSg	z1	z1	0.0	h o brDry
Eu07Pp: i 4voeymert sb C Loy: 2171C58a									
v u 1301441-001	d EoECDocs	v P075: Xms(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Xms(3-Nklotoeyko; O) DeykaEe	111-91-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	d EoECDocs	v P075: Xms(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Xms(3-Nklotoeyko; O) DeykaEe	111-91-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
Eu07PG: Cmorl(4yed i cdron4r) o(t sb C Loy: 2171C58a									
v u 1301441-001	d EoECDocs	v P075: 1.2-MrNklotor eExeEe	541-72-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.4-MrNklotor eExeEe	10L-4L-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.3-MrNklotor eExeEe	95-50-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.3.4-TtrNklotor eExeEe	130-83-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoptopCleEe	1888-71-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotor cyaOreEe	87-L8-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoNCNopeEyaOreEe	77-47-4	0.5	DgCSg	z3.5	z3.5	0.0	h o brDry
		v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
v u 1301553-011	d EoECDocs	v P075: 1.2-MrNklotor eExeEe	541-72-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.4-MrNklotor eExeEe	10L-4L-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.3-MrNklotor eExeEe	95-50-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 1.3.4-TtrNklotor eExeEe	130-83-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoptopCleEe	1888-71-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotor cyaOreEe	87-L8-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotoNCNopeEyaOreEe	77-47-4	0.5	DgCSg	z3.5	z3.5	0.0	h o brDry
		v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
Eu07Pi : A(lN(et 4(d He(zldl(et sb C Loy: 2171C58a									
v u 1301441-001	d EoECDocs	v P075: d EmrEe	L3-52-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i klotoaEmrEe	10L-47-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-h nytoaEmrEe	88-74-4	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: 2-h nytoaEmrEe	99-09-3	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: Mrr eExofctaE	123-L4-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-h nytoaEmrEe	100-01-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu07Pi : A(lN(et 4(d He(zldl(et sb C Loy: 2171Q58a 6no(y(- ed									
v u 1301441-001	dEoECDocs	v P075: i atr axole	8L-74-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2.2`-MrNklotor eExrOrEe	91-94-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	dEoECDocs	v P075: d ErrrEe	L3-52-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i klotoaErrrEe	10L-47-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-h nytoaErrrEe	88-74-4	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: 2-h nytoaErrrEe	99-09-3	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: Mrr eExofctaE	123-L4-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-h nytoaErrrEe	100-01-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: i atr axole	8L-74-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2.2`-MrNklotor eExrOrEe	91-94-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
Eu07PI: Org4(onmorl(e uet yInldet sb C Loy: 2171Q58a									
v u 1301441-001	dEoECDocs	v P075: alpka-XHi	219-84-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-XHi	219-85-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: gaD Da-XHi	58-89-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Oelya-XHi	219-8L-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot	7L-44-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: d lOtrE	209-00-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot epo; rOe	1034-57-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: alpka-v EOosclfaE	959-98-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMv	73-55-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: MrelOtrE	L0-57-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOtrE	73-30-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMM	73-54-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMT	50-39-2	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
v u 1301553-011	dEoECDocs	v P075: alpka-XHi	219-84-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-XHi	219-85-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: gaD Da-XHi	58-89-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Oelya-XHi	219-8L-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot	7L-44-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: d lOtrE	209-00-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot epo; rOe	1034-57-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: alpka-v EOosclfaE	959-98-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMv	73-55-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: MrelOtrE	L0-57-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOtrE	73-30-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMM	73-54-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu07PI: Org4(onmorl(e uet ylnldet sb C Loy: 2171Q58a 6no(yl(- ed									
v u 1301553-011	dEoECDocs	v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMT	50-39-2	0.5	DgGSg	z1.0	z1.0	0.0	h o brDry
Eu07PJ: Org4(oFmot Fmor- t uet ylnldet sb C Loy: 2171Q58a									
v u 1301441-001	dEoECDocs	v P075: MrNklotmos	L3-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MrDeykoaye	L0-51-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MraxrnEoE	222-41-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotpCtrnfos-DeykCl	5598-12-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: u alaykroE	131-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotpCtrnfos	3931-88-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PrnnDpkos-eykCl	32505-41-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotfeEmtEpkos	470-90-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: Ptoykrofos	24L42-4L-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: vykroE	5L2-13-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	dEoECDocs	v P075: MrNklotmos	L3-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MrDeykoaye	L0-51-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MraxrnEoE	222-41-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotpCtrnfos-DeykCl	5598-12-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: u alaykroE	131-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotpCtrnfos	3931-88-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PrnnDpkos-eykCl	32505-41-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i klotfeEmtEpkos	470-90-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: Ptoykrofos	24L42-4L-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: vykroE	5L2-13-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
Eu0h0/071: Toy4vueyrove- 9 i cdron4r) o(t sb C Loy: 21855PPa									
v u 1301497-001	dLPT4G3001	v P080: i L - i 9 FtaNyroE	---	10	DgGSg	z10	z10	0.0	h o brDry
Eu0h0/071: Toy4vueyrove- 9 i cdron4r) o(t sb C Loy: 217PhQ3a									
v u 1301497-001	dLPT4G3001	v P071: i 15 - i 38 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o brDry
		v P071: i 39 - i 2L FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o brDry
		v P071: i 10 - i 14 FtaNyroE	---	50	DgGSg	z50	z50	0.0	h o brDry
		v P071: i 10 - i 2L FtaNyroE (scD)	---	50	DgGSg	z50	z50	0.0	h o brDry
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb C Loy: 21855PPa									
v u 1301497-001	dLPT4G3001	v P080: i L - i 10 FtaNyroE	---	10	DgGSg	z10	z10	0.0	h o brDry
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb C Loy: 217PhQ3a									
v u 1301497-001	dLPT4G3001	v P071: >i 1L - i 24 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o brDry
		v P071: >i 24 - i 40 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o brDry
		v P071: >i 10 - i 1L FtaNyroE	---	50	DgGSg	z50	z50	0.0	h o brDry
		v P071: >i 10 - i 40 FtaNyroE (scD)	---	50	DgGSg	z50	z50	0.0	h o brDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Eu0h0: HTEXN sb C Loy: 21855PPa									
v u 1301497-001	dLPT4G3001	v P080: XeExeEe	71-42-3	0.3	DgGSg	z0.3	z0.3	0.0	h o brDry
		v P080: TolceEe	108-88-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P080: v ykCr eExeEe	100-41-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P080: Deya- & pata-6CleEe	108-28-2 10L-43-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P080: otyko-6CleEe	95-47-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P080: h apkykaleEe	91-30-2	1	DgGSg	z1	z1	0.0	h o brDry
Eu218: uernmor4ye) c LC/MS sb C Loy: 2171175a									
v u 1301497-001	dLPT4G3001	v P31L: PetNklotaye	7L01-90-2	10.0	µgGSg	z10.0	z10.0	0.0	h o brDry
Eu2Qi: uerfv- oroonycvAnldt 4(d S- vfo(4yet . sb C Loy: 217055ha									
v u 1301497-001	dLPT4G3001	v P321: PFBA	17L2-32-1	0.0005	DgGSg	0.0050	0.0051	3.5	0% - 50%
		v P321: PFBd	225-L7-1	0.0005	DgGSg	z0.0005	z0.0005	0.0	h o brDry
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	z0.005	z0.005	0.0	h o brDry
v u 1301497-004	dLPT3G3003	v P321: PFBA	17L2-32-1	0.0005	DgGSg	z0.0005	z0.0005	0.0	h o brDry
		v P321: PFBd	225-L7-1	0.0005	DgGSg	z0.0005	z0.0005	0.0	h o brDry
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	z0.005	z0.005	0.0	h o brDry

Method Blank (MB) and Laboratory Control Spike (LCS) Report

Tke qcalnyC NoEytol yetD u eykoO Gbar otayotC XlaES tefets yo aE aEalOye ftee Daytn yo wknNk all teageEys ate aOOeO nE yke saDe molcDes ot ptopotyroEs as cseO nE syaEOatO saDple ptepataymoE. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot poyeEyral lar otayotC NoEyaDnEaymoE. Tke qcalnyC NoEytol yetD bar otayotC i oEytol AaDple (bi A) tefets yo a NetyfneO tefeteENe Dayetral, ot a SEowE nEyetfeteENe ftee Daytn spnSeO wnyk yatgey aEalOyes. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot DeykoOpteNsmoE aEOaNNctaNCnEOepeEOeEyof saDple Daytn. MOEaDnNReNbmetCbnDns ate r aseOoE syaynsynNal emalcaymoE of ptoNesseObi A.

Acr-u aytn: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EG00PT: Toy4vMey4vt) c lCu6AES sb CLoy: 21h1C0Pa								
v K005T: dtseEmN	7440-28-3	5	DgGSg	z5	12.L DgGSg	98.4	74	123
v K005T: i aCDmcD	7440-42-9	1	DgGSg	z1	3.8 DgGSg	97.0	71	132
v K005T: i ktoDmcD	7440-47-2	3	DgGSg	z3	L0.9 DgGSg	10L	72	135
v K005T: i oppet	7440-50-8	5	DgGSg	z5	55.1 DgGSg	103	74	134
v K005T: beaO	7429-93-1	5	DgGSg	z5	54.9 DgGSg	105	74	13L
v K005T: h mNSel	7440-03-0	3	DgGSg	z3	55.1 DgGSg	107	74	138
v K005T: ZrEN	7440-LL-L	5	DgGSg	z5	105 DgGSg	103	74	134
EG0CPT: Toy4vRenoBer4) ve Mern- rc) c pIMS sb CLoy: 21h1C08a								
v K025T: u etNctC	7429-97-L	0.1	DgGSg	z0.1	1.47 DgGSg	105	L4	11L
Eu003: Org4(In M4yyer sb CLoy: 2171hh5a								
v P004: Toyal BtgaEmNi atr oE	----	0.5	%	z0.5	42.5 %	98.0	94	118
Eu088: uovcnmorl(4yed HIFme(cvt suCHa sb CLoy: 2171C53a								
v P0LL: Toyal PolCNklotmEayeOr mpkeECls	----	0.1	DgGSg	z0.10	1.34 DgGSg	L3.7	55	125
Eu08hA: Org4(onmorl(e uet ylnldet sOCa sb CLoy: 2171C5Ca								
v P0L8: alpka-XHi	219-84-L	0.05	DgGSg	z0.05	0.5 DgGSg	97.1	53	122
v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgGSg	z0.05	0.5 DgGSg	94.1	50	123
v P0L8: r eya-XHi	219-85-7	0.05	DgGSg	z0.05	0.5 DgGSg	99.2	50	128
v P0L8: gaD Da-XHi	58-89-9	0.05	DgGSg	z0.05	0.5 DgGSg	98.3	54	123
v P0L8: Oelya-XHi	219-8L-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.L	51	122
v P0L8: HepyaNklot	7L-44-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.4	51	124
v P0L8: dlOtmE	209-00-3	0.05	DgGSg	z0.05	0.5 DgGSg	89.1	53	122
v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgGSg	z0.05	0.5 DgGSg	90.8	54	12L
v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.05	0.5 DgGSg	90.9	52	12L
v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.05	0.5 DgGSg	97.2	52	122
v P0L8: Nts-i klotOaEe	5102-71-9	0.05	DgGSg	z0.05	0.5 DgGSg	91.0	53	127
v P0L8: MmelOtmE	L0-57-1	0.05	DgGSg	z0.05	0.5 DgGSg	97.1	49	123
v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.05	0.5 DgGSg	90.4	52	124
v P0L8: v EOtmE	73-30-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.3	45	141
v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.05	0.5 DgGSg	99.3	54	123
v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.05	0.5 DgGSg	88.4	53	12L
v P0L8: v EOtmE alOekCOe	7431-92-4	0.05	DgGSg	z0.05	0.5 DgGSg	74.0	49	125
v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.05	0.5 DgGSg	93.3	49	143
v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z0.3	0.5 DgGSg	92.1	40	14L
v P0L8: v EOtmE SeyoEe	52494-70-5	0.05	DgGSg	z0.05	0.5 DgGSg	93.3	51	127

Acr-u ayln : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu08hA: Org4(onmorl(e uet ylnldet sOCa sb CLoy: 2171Q5Qa 6no(yl(- ed								
v P0L8: u eyko; ONklot	73-42-5	0.3	DgGSg	z0.3	0.5 DgGSg	97.2	28	149
Eu08hH: Org4(oFrrot Frror- t uet ylnldet sOua sb CLoy: 2171Q5Qa								
v P0L8: MnNklotmos	L3-72-7	0.05	DgGSg	z0.05	0.5 DgGSg	50.1	25	127
v P0L8: MeDeyoE-A-DeykCl	919-8L-8	0.05	DgGSg	z0.05	0.5 DgGSg	73.7	3L.8	140
v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgGSg	z0.3	0.5 DgGSg	107	10	185
v P0L8: MnDeykoaye	L0-51-5	0.05	DgGSg	z0.05	0.5 DgGSg	99.0	4L	144
v P0L8: MraxrEoE	222-41-5	0.05	DgGSg	z0.05	0.5 DgGSg	88.8	50	124
v P0L8: i klotpCtrfos-DeykCl	5598-12-0	0.05	DgGSg	z0.05	0.5 DgGSg	89.8	53	124
v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgGSg	z0.3	0.5 DgGSg	89.2	50	127
v P0L8: u alaykroE	131-75-5	0.05	DgGSg	z0.05	0.5 DgGSg	91.0	4L	140
v P0L8: FeEykroE	55-28-9	0.05	DgGSg	z0.05	0.5 DgGSg	8L.0	50	124
v P0L8: i klotpCtrfos	3931-88-3	0.05	DgGSg	z0.05	0.5 DgGSg	89.4	53	124
v P0L8: PataykroE	5L-28-3	0.3	DgGSg	z0.3	0.5 DgGSg	89.L	47	129
v P0L8: PrtrDpkos-eykCl	32505-41-1	0.05	DgGSg	z0.05	0.5 DgGSg	89.2	48	127
v P0L8: i klotfeEmtEpkos	470-90-L	0.05	DgGSg	z0.05	0.5 DgGSg	93.1	48	142
v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgGSg	z0.05	0.5 DgGSg	90.5	53	12L
v P0L8: FeEaDrpkos	33334-93-L	0.05	DgGSg	z0.05	0.5 DgGSg	78.8	27	12L
v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgGSg	z0.05	0.5 DgGSg	89.2	50	12L
v P0L8: vykroE	5L2-13-3	0.05	DgGSg	z0.05	0.5 DgGSg	94.3	50	12L
v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgGSg	z0.05	0.5 DgGSg	87.8	47	128
v P0L8: dxrEpkos u eykCl	8L-50-0	0.05	DgGSg	z0.05	0.5 DgGSg	97.7	19.L	170
Eu073A: Mo(oncnvln Aro9 4yln i cdron4r) o(t sb CLoy: 21855P8a								
v P074: AyCteEe	100-43-5	0.5	DgGSg	z0.5	1 DgGSg	90.L	L4	130
v P074: IsoptopCr eExeEe	98-83-8	0.5	DgGSg	z0.5	1 DgGSg	97.7	74	130
v P074: E-PtopCr eExeEe	102-L5-1	0.5	DgGSg	z0.5	1 DgGSg	9L.4	L5	117
v P074: 1.2.5-TtrDeykCr eExeEe	108-L7-8	0.5	DgGSg	z0.5	1 DgGSg	90.9	L5	117
v P074: seN-XcyCr eExeEe	125-98-8	0.5	DgGSg	z0.5	1 DgGSg	97.1	L7	117
v P074: 1.3.4-TtrDeykCr eExeEe	95-L2-L	0.5	DgGSg	z0.5	1 DgGSg	94.7	LL	117
v P074: yety-XcyCr eExeEe	98-0L-L	0.5	DgGSg	z0.5	1 DgGSg	91.8	L8	11L
v P074: p-IsoptopCtyolceEe	99-87-L	0.5	DgGSg	z0.5	1 DgGSg	85.L	L4	117
v P074: E-XcyCr eExeEe	104-51-8	0.5	DgGSg	z0.5	1 DgGSg	97.2	59	115
Eu073H: Oxcge(4yed Co9 Fo- (dt sb CLoy: 21855P8a								
v P074: VrECl dNeyaye	108-05-4	5	DgGSg	z5	10 DgGSg	114	40	128
v P074: 3-XcyaEoEe (u v#)	78-92-2	5	DgGSg	z5	10 DgGSg	72.8	L1	142
v P074: 4-u eykCl-3-peEyaEoEe (u lX#)	108-10-1	5	DgGSg	z5	10 DgGSg	80.8	L2	127
v P074: 3-He; aEoEe (u X#)	591-78-L	5	DgGSg	z5	10 DgGSg	73.5	L2	122
Eu073C: S- vfo(4yed Co9 Fo- (dt sb CLoy: 21855P8a								
v P074: i atr oE OtsclfrCe	75-15-0	0.5	DgGSg	z0.5	1 DgGSg	117	57	131

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu073D: p- 9 lg4(yt sb CLoy: 21855P8a								
v P074: 3.3-MrNklotoptopaEe	594-30-7	0.5	DgGSg	z0.5	1 DgGSg	113	51	120
v P074: 1.3-MrNklotoptopaEe	78-87-5	0.5	DgGSg	z0.5	1 DgGSg	83.5	72	131
v P074: Nss-1.2-MrNklotoptopCleEe	100L1-01-5	0.5	DgGSg	z0.5	1 DgGSg	= 110	59	109
v P074: ytaEs-1.2-MrNklotoptopCleEe	100L1-03-L	0.5	DgGSg	z0.5	1 DgGSg	L9.7	53	110
v P074: 1.3-MrrtoDoeykaEe (v MX)	10L-92-4	0.5	DgGSg	z0.5	1 DgGSg	108	L8	130
Eu073E: i 4voge(4yed AvJFm4yln Co9 Fo- (dt sb CLoy: 21855P8a								
v P074: MrNklotoOnlcotoDeykaEe	75-71-8	5	DgGSg	z5	10 DgGSg	85.1	24	133
v P074: i klotoDeykaEe	74-87-2	5	DgGSg	z5	10 DgGSg	100	53	122
v P074: VrECl Nklotn0e	75-01-4	5	DgGSg	z5	10 DgGSg	115	47	122
v P074: XtoDoDeykaEe	74-82-9	5	DgGSg	z5	10 DgGSg	100	29	11L
v P074: i klotoeykaEe	75-00-2	5	DgGSg	z5	10 DgGSg	97.0	42	127
v P074: TtrNklotoflcotoDeykaEe	75-L9-4	5	DgGSg	z5	10 DgGSg	131	L1	13L
v P074: 1.1-MrNklotoeykeEe	75-25-4	0.5	DgGSg	z0.5	1 DgGSg	92.0	L3	134
v P074: loCoDeykaEe	74-88-4	0.5	DgGSg	z0.5	1 DgGSg	100	47	11L
v P074: ytaEs-1.3-MrNklotoeykeEe	15L-L0-5	0.5	DgGSg	z0.5	1 DgGSg	87.7	L9	119
v P074: 1.1-MrNklotoeykaEe	75-24-2	0.5	DgGSg	z0.5	1 DgGSg	91.2	70	130
v P074: Nss-1.3-MrNklotoeykeEe	15L-59-3	0.5	DgGSg	z0.5	1 DgGSg	93.1	73	130
v P074: 1.1.1-TtrNklotoeykaEe	71-55-L	0.5	DgGSg	z0.5	1 DgGSg	105	L4	113
v P074: 1.1-MrNklotoptopCleEe	5L2-58-L	0.5	DgGSg	z0.5	1 DgGSg	87.9	71	117
v P074: i atr roE TeytaNklotn0e	5L-32-5	0.5	DgGSg	z0.5	1 DgGSg	80.5	51	10L
v P074: 1.3-MrNklotoeykaEe	107-0L-3	0.5	DgGSg	z0.5	1 DgGSg	90.L	70	13L
v P074: TtrNklotoeykeEe	79-01-L	0.5	DgGSg	z0.5	1 DgGSg	93.7	71	130
v P074: MrrtoDoDeykaEe	74-95-2	0.5	DgGSg	z0.5	1 DgGSg	89.2	70	133
v P074: 1.1.3-TtrNklotoeykaEe	79-00-5	0.5	DgGSg	z0.5	1 DgGSg	94.7	72	135
v P074: 1.2-MrNklotoptopaEe	143-38-9	0.5	DgGSg	z0.5	1 DgGSg	102	75	135
v P074: TeytaNklotoeykeEe	137-18-4	0.5	DgGSg	z0.5	1 DgGSg	88.L	71	130
v P074: 1.1.1.3-TeytaNklotoeykaEe	L20-30-L	0.5	DgGSg	z0.5	1 DgGSg	88.9	54	10L
v P074: ytaEs-1.4-MrNkloto-3-r cyeEe	110-57-L	0.5	DgGSg	z0.5	1 DgGSg	L7.L	4L	113
v P074: Nss-1.4-MrNkloto-3-r cyeEe	147L-11-5	0.5	DgGSg	z0.5	1 DgGSg	107	31.8	117
v P074: 1.1.3.3-TeytaNklotoeykaEe	79-24-5	0.5	DgGSg	z0.5	1 DgGSg	92.1	71	121
v P074: 1.3.2-TtrNklotoptopaEe	9L-18-4	0.5	DgGSg	z0.5	1 DgGSg	91.9	70	124
v P074: PeEyaNklotoeykaEe	7L-01-7	0.5	DgGSg	z0.5	1 DgGSg	81.1	40	94
v P074: 1.3-MrrtoDo-2-NklotoptopaEe	9L-13-8	0.5	DgGSg	z0.5	1 DgGSg	83.4	41	112
Eu073p: i 4voge(4yed Aro9 4yln Co9 Fo- (dt sb CLoy: 21855P8a								
v P074: i klotor eExeEe	108-90-7	0.5	DgGSg	z0.5	1 DgGSg	99.1	78	130
v P074: XtoDor eExeEe	108-8L-1	0.5	DgGSg	z0.5	1 DgGSg	93.5	L8	11L
v P074: 3-i klotoyolceEe	95-49-8	0.5	DgGSg	z0.5	1 DgGSg	97.0	L7	117
v P074: 4-i klotoyolceEe	10L-42-4	0.5	DgGSg	z0.5	1 DgGSg	95.1	L7	115
v P074: 1.3.2-TtrNklotor eExeEe	87-L1-L	0.5	DgGSg	z0.5	1 DgGSg	= 130	L0	130

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu073G: Trlm4vo9 eym4(et sb CLoy: 21855P8a								
v P074: i klotofotD	L7-LL-2	0.5	DgGSg	z0.5	1 DgGSg	93.L	71	131
v P074: XtoDoCNklotoDeykaEe	75-37-4	0.5	DgGSg	z0.5	1 DgGSg	90.1	L0	108
v P074: MrrtoDoNklotoDeykaEe	134-48-1	0.5	DgGSg	z0.5	1 DgGSg	8L.0	48	104
v P074: XtoDofotD	75-35-3	0.5	DgGSg	z0.5	1 DgGSg	87.7	40	10L
Eu07PA: ume(ovln Co9 Fo-(dt sb CLoy: 2171Q58a								
v P075: PkeEol	108-95-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	93.5 ----	28 ----	128 ----
v P075: 3-i klotopkeEol	95-57-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	75.2 ----	29 ----	139 ----
v P075: 3-u eykClpkeEol	95-48-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	78.8 ----	22 ----	123 ----
v P075: 2- & 4-u eykClpkeEol	1219-77-2	0.5	DgGSg	z1.0 ----	---- 3.5 DgGSg	---- 93.1	---- 25	---- 121
v P075: 3-hnytopkeEol	88-75-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.0 ----	21 ----	121 ----
v P075: 3.4-MrDeykClpkeEol	105-L7-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	94.9 ----	10 ----	125 ----
v P075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 80.4	---- 25	---- 122
v P075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.0 ----	2L ----	123 ----
v P075: 4-i kloto-2-u eykClpkeEol	59-50-7	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 93.4	---- 29	---- 142
v P075: 3.4.L-TtrNklotopkeEol	88-0L-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 70.9	---- 24	---- 128
v P075: 3.4.5-TtrNklotopkeEol	95-95-4	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 108	---- 20.3	---- 143
v P075: PeEyaNklotopkeEol	87-8L-5	1.0	DgGSg	---- z1	3.5 DgGSg ----	88.9 ----	14 ----	12L ----
Eu07PH: uovc(- nve4r Aro9 4yln i cdron4r) o(t sb CLoy: 2171Q58a								
v P075: hapkykaleEe	91-30-2	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 80.2	---- 29	---- 138
v P075: 3-u eykClEapkykaleEe	91-57-L	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 78.2	---- 40	---- 12L
v P075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	L5.1 ----	39.5 ----	127 ----
v P075: dNeEapkykCleEe	308-9L-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	7L.4 ----	28 ----	128 ----
v P075: dNeEapkykeEe	82-23-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.9 ----	45 ----	122 ----

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
Eu07PH: uovc(- nve4r Aro9 4ylni cdron4r) o(t sb CLoy: 2171C58a 6no(yl(- ed								
v P075: FlcoteEe	8L-72-7	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	81.0 ----	47 ----	127 ----
v P075: PkeEaEykteEe	85-01-8	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 85.5	---- 45	---- 122
v P075: dEyktaNeEe	130-13-7	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 88.2	---- 44	---- 120
v P075: FlcotaEykeEe	30L-44-0	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 91.5	---- 4L	---- 128
v P075: PCteEe	139-00-0	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	8L.2 ----	42 ----	145 ----
v P075: h-3-FlcoteECl dNeyaDnCe	52-9L-2	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	90.5 ----	42 ----	142 ----
v P075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 82.5	---- 42	---- 129
v P075: i ktCseEe	318-01-9	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	89.7 ----	43 ----	140 ----
v P075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgCSg	---- z1	5 DgCSg ----	90.3 ----	42 ----	129 ----
v P075: 7.13-MnDeykClreEx(a)aEyktaNeEe	57-97-L	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 87.2	---- 40	---- 154
v P075: XeExo(a)pCteEe	50-23-8	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 87.L	---- 28	---- 128
v P075: 2-u eykClNkolaEykteEe	5L-49-5	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	81.L ----	4L ----	1L3 ----
v P075: IECeEo(1.3.2.NC)pCteEe	192-29-5	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	112 ----	49 ----	159 ----
v P075: MmeEx(a.k)aEyktaNeEe	52-70-2	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	108 ----	49 ----	157 ----
v P075: XeExo(g.k.n)petCeEe	191-34-3	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 118	---- 48	---- 158
v P075: AcD of PdHs	----	0.5	DgCSg	z0.5	----	----	----	----
Eu07PC: umym4v4ye Et yert sb CLoy: 2171C58a								
v P075: MnDeykCl pkykalaye	121-11-2	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	83.4 ----	40 ----	143 ----
v P075: MmeykCl pkykalaye	84-LL-3	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 85.1	---- 48	---- 140
v P075: MnE-r cyCl pkykalaye	84-74-3	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	95.4 ----	28 ----	1L9 ----
v P075: XcyCl reExCl pkykalaye	85-L8-7	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	93.L ----	43 ----	140 ----

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu07PC: umym4v4ye Et yert sb CLoy: 2171C58a 6no(y(- ed								
v P075: r ns(3-eykCke; C) pkykalaye	117-81-7	0.5	DgCSg	z5.0 ----	---- 3.5 DgCSg	---- 113	---- 47	---- 155
v P075: MnE-oNyCpkykalaye	117-84-0	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	91.3 ----	47 ----	127 ----
Eu07PD: NIyrot 49 I(et sb CLoy: 2171C58a								
v P075: h-h nytosoDeykCleykCIaDnEe	10595-95-L	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	95.L ----	1L.3 ----	12L ----
v P075: h-h nytosoOneykCIaDnEe	55-18-5	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 85.7	---- 22	---- 123
v P075: h-h nytosopCttolnOnEe	920-55-3	0.5	DgCSg	---- z1.0	3.5 DgCSg ----	87.1 ----	37.7 ----	120 ----
v P075: h-h nytosoDotpkolnEe	59-89-3	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	113 ----	22 ----	121 ----
v P075: h-h nytosoOnE-ptopCIaDnEe	L31-L4-7	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	8L.0 ----	2L ----	137 ----
v P075: h-h nytosopnpetnOnEe	100-75-4	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	8L.5 ----	25 ----	138 ----
v P075: h-h nytosoOn cyCIaDnEe	934-1L-2	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	87.L ----	27 ----	129 ----
v P075: h-h nytosoOpkeECl & MnpkeECIaDnEe	8L-20-L 133-29-4	0.5	DgCSg	---- z1.0	3.5 DgCSg ----	79.2 ----	43 ----	124 ----
v P075: u eykapCtneEe	91-80-5	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	= 18.7 ----	34.4 ----	142 ----
Eu07PE: NIyro4ro9 4yInt 4(d Keyo(et sb CLoy: 2171C58a								
v P075: 3-PnNbInEe	109-0L-8	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 90.5	---- 10	---- 128
v P075: d Neyopke EoEe	98-8L-3	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 77.3	---- 25	---- 138
v P075: h nytor eExeEe	98-95-2	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	81.3 ----	2L ----	137 ----
v P075: Isopkotoee	78-59-1	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- 82.7	---- 40	---- 12L
v P075: 3.L-MnEntoyolceEe	L0L-30-3	0.5	DgCSg	---- z1.0	3.5 DgCSg ----	79.7 ----	43 ----	140 ----
v P075: 3.4-MnEntoyolceEe	131-14-3	0.5	DgCSg	z1.0 ----	---- 3.5 DgCSg	---- 85.3	---- 4L	---- 140
v P075: 1-h apkykCIaDnEe	124-23-7	0.5	DgCSg	---- z0.5	3.5 DgCSg ----	= 4.4 ----	10 ----	84 ----
v P075: 4-h nytoqcnEolnEe-h -o; nCe	5L-57-5	0.5	DgCSg	z0.5 ----	---- 3.5 DgCSg	---- L0.1	---- 17.7	---- 152

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu07PE: Nlyro4ro9 4ylnt 4(d Keyo(et sb CLoy: 2171Q58a 6no(yl(- ed								
v P075: 5-h nyto-o-yolcrOEe	99-55-8	0.5	DgSg	---- z0.5	3.5 DgSg ----	74.4 ----	27 ----	135 ----
v P075: dxor eExeEe	102-22-2	1	DgSg	---- z1	3.5 DgSg ----	9L.1 ----	4L ----	140 ----
v P075: 1.2.5-TtrnEntor eExeEe	99-25-4	0.5	DgSg	---- z0.5	3.5 DgSg ----	80.L ----	13.L ----	151 ----
v P075: PkeEaNeyrE	L3-44-3	0.5	DgSg	---- z0.5	3.5 DgSg ----	74.9 ----	48 ----	143 ----
v P075: 4-d DrEor rpkeECl	93-L7-1	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 13.0	---- 10	---- 97
v P075: PeEyaNklotoEntor eExeEe	83-L8-8	0.5	DgSg	---- z0.5	3.5 DgSg ----	91.5 ----	47 ----	129 ----
v P075: PtoEaDrOe	32950-58-5	0.5	DgSg	---- z0.5	3.5 DgSg ----	92.L ----	45 ----	122 ----
v P075: MrDeykOaDrEoaxor eExeEe	L0-11-7	0.5	DgSg	---- z0.5	3.5 DgSg ----	84.L ----	43 ----	12L ----
v P075: i klotor eExrlaye	510-15-L	0.5	DgSg	---- z0.5	3.5 DgSg ----	L7.7 ----	41 ----	141 ----
Eu07Pp: i 4voeymert sb CLoy: 2171Q58a								
v P075: Xrs(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgSg	---- z0.5	3.5 DgSg ----	71.5 ----	2L ----	14L ----
v P075: Xrs(3-Nklotoeyko; C) DeykaEe	111-91-1	0.5	DgSg	---- z0.5	3.5 DgSg ----	84.5 ----	40 ----	12L ----
v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 80.8	---- 4L	---- 12L
v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 77.3	---- 44	---- 140
Eu07PG: Cmorl(4yed i cdron4r) o(t sb CLoy: 2171Q58a								
v P075: 1.2-MrNklotor eExeEe	541-72-1	0.5	DgSg	---- z0.5	3.5 DgSg ----	74.8 ----	25 ----	133 ----
v P075: 1.4-MrNklotor eExeEe	10L-4L-7	0.5	DgSg	---- z0.5	3.5 DgSg ----	84.4 ----	2L ----	135 ----
v P075: 1.3-MrNklotor eExeEe	95-50-1	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 81.7	---- 27	---- 132
v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 73.L	---- 22	---- 132
v P075: 1.3.4-TtrNklotor eExeEe	130-83-1	0.5	DgSg	---- z0.5	3.5 DgSg ----	77.3 ----	2L ----	123 ----
v P075: He; aNklotoptopOeEe	1888-71-7	0.5	DgSg	z0.5 ----	---- 3.5 DgSg	---- 82.5	---- 3L.L	---- 127

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu07PG: Cmorl(4yed i cdron4r) o(t sb CLoy: 2171C58a 6no(yl(- ed								
v P075: He; aNklotor cyaOreEe	87-L8-2	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	80.1	40	120
v P075: He; aNklotoNCNopeEyaOreEe	77-47-4	0.5	DgGSg	----	3.5 DgGSg	42.9	17.2	141
				z3.5	----	----	----	----
v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	82.2	4L	12L
v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgGSg	----	5 DgGSg	80.3	40	143
				z1.0	----	----	----	----
Eu07Pi : A(lvl(et 4(d He(zldl(et sb CLoy: 2171C58a								
v P075: d EmEe	L3-52-2	0.5	DgGSg	----	3.5 DgGSg	21.5	10	114
				z0.5	----	----	----	----
v P075: 4-i klotoaEmEe	10L-47-8	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	1L.3	10	102
v P075: 3-h ytoaEmEe	88-74-4	0.5	DgGSg	----	3.5 DgGSg	8L.5	40	143
				z1.0	----	----	----	----
v P075: 2-h ytoaEmEe	99-09-3	0.5	DgGSg	----	3.5 DgGSg	44.L	32.2	135
				z1.0	----	----	----	----
v P075: Mm eExofctaE	123-L4-9	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	89.1	4L	124
v P075: 4-h ytoaEmEe	100-01-L	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	74.9	28	123
v P075: i atr axole	8L-74-8	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	8L.1	44	124
v P075: 2.2`-MmNklotor eExrOEe	91-94-1	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	30.1	10	134
Eu07Pl: Org4(onmorl(e uet ylnldet sb CLoy: 2171C58a								
v P075: alpka-XHi	219-84-L	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	88.7	50	124
v P075: r eya-XHi	219-85-7	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	93.3	47	125
v P075: gaD Da-XHi	58-89-9	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	9L.2	50	127
v P075: Oelya-XHi	219-8L-8	0.5	DgGSg	----	3.5 DgGSg	94.8	48	12L
				z0.5	----	----	----	----
v P075: HepyaNklot	7L-44-8	0.5	DgGSg	----	3.5 DgGSg	88.3	40	128
				z0.5	----	----	----	----
v P075: dlOtnE	209-00-3	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	89.2	44	140
v P075: HepyaNklot epo; rOe	1034-57-2	0.5	DgGSg	----	3.5 DgGSg	85.8	45	129
				z0.5	----	----	----	----

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu07PI: Org4(onmorl(e uet ylnldet sb CLoy: 2171Q58a 6no(yl(- ed								
v P075: alpka-v EOosclfaE	959-98-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	100 ----	4L ----	143 ----
v P075: 4.4`-MMv	73-55-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	87.3 ----	70 ----	120 ----
v P075: MrelOtnE	L0-57-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 97.2	---- 47	---- 129
v P075: v EOtnE	73-30-8	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 97.2	---- 43	---- 143
v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 92.5	---- 47	---- 141
v P075: 4.4`-MMM	73-54-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	8L.4 ----	43 ----	14L ----
v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	84.2 ----	41 ----	141 ----
v P075: 4.4`-MMT	50-39-2	0.5	DgGSg	---- z1.0	3.5 DgGSg ----	87.L ----	19.L ----	148 ----
Eu07PJ: Org4(oFmot Fmor- t uet ylnldet sb CLoy: 2171Q58a								
v P075: MnNklotmos	L3-72-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	77.2 ----	31.9 ----	121 ----
v P075: MnDeykoaye	L0-51-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 90.5	---- 28	---- 143
v P075: MraxrEoE	222-41-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 98.5	---- 2L	---- 122
v P075: i klotpOtnfos-DeykCl	5598-12-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	87.5 ----	25 ----	142 ----
v P075: u alaykroE	131-75-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	90.9 ----	25 ----	142 ----
v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 85.8	---- 35.1	---- 125
v P075: i klotpOtnfos	3931-88-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 92.5	---- 2L	---- 123
v P075: PnnDpkos-eykCl	32505-41-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 89.5	---- 2L	---- 125
v P075: i klotfeEmtEpkos	470-90-L	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 89.1	---- 25	---- 128
v P075: Ptoykrofos	24L42-4L-4	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 94.3	---- 27	---- 125
v P075: v ykroE	5L2-13-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	88.L ----	28 ----	127 ----
Eu0h0/071: Toy4vueyrove-9 i cdron4r) o(t sb CLoy: 21855PPa								

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Eu0h0/071: Toy4vueyrove- 9 i cdron4r) o(t sb CLoy: 21855PPa 6no(y)(- ed								
v P080: i L - i 9 FtaNyroE	----	10	DgGSg	z10	23 DgGSg	112	70	122
Eu0h0/071: Toy4vueyrove- 9 i cdron4r) o(t sb CLoy: 217PhC3a								
v P071: i 10 - i 14 FtaNyroE	----	50	DgGSg	z50	544 DgGSg	94.3	55	132
v P071: i 15 - i 38 FtaNyroE	----	100	DgGSg	z100	1981 DgGSg	10L	73	124
v P071: i 39 - i 2L FtaNyroE	----	100	DgGSg	z100	818 DgGSg	9L.4	71	142
v P071: i 10 - i 2L FtaNyroE (scD)	----	50	DgGSg	z50	----	----	----	----
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb CLoy: 21855PPa								
v P080: i L - i 10 FtaNyroE	----	10	DgGSg	z10	27 DgGSg	112	70	120
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb CLoy: 217PhC3a								
v P071: >i 10 - i 1L FtaNyroE	----	50	DgGSg	z50	870 DgGSg	104	L9	132
v P071: >i 1L - i 24 FtaNyroE	----	100	DgGSg	z100	3495 DgGSg	100	71	124
v P071: >i 24 - i 40 FtaNyroE	----	100	DgGSg	z100	3L2 DgGSg	79.4	L2	142
v P071: >i 10 - i 40 FtaNyroE (scD)	----	100	DgGSg	z100	----	----	----	----
Eu0h0: HTEXN sb CLoy: 21855PPa								
v P080: XeExeEe	71-42-3	0.3	DgGSg	z0.3	3 DgGSg	100	73	13L
v P080: TolceEe	108-88-2	0.5	DgGSg	z0.5	3 DgGSg	108	72	139
v P080: vykCreExeEe	100-41-4	0.5	DgGSg	z0.5	3 DgGSg	10L	73	13L
v P080: Deya- & pata-6CeEe	108-28-2 10L-43-2	0.5	DgGSg	z0.5	4 DgGSg	113	70	128
v P080: otyko-6CeEe	95-47-L	0.5	DgGSg	z0.5	3 DgGSg	107	72	121
v P080: hapkykaleEe	91-30-2	1	DgGSg	z1	0.5 DgGSg	139	70	120
Eu218: uernmor4ye) c LC/MS sb CLoy: 2171175a								
v P31L: PetNklotaye	7L01-90-2	10	µgGSg	z10.0	35 µgGSg	100	5L	120
Eu2CI: uerfv- oroonycvAnldt 4(d S- vfo(4yet . sb CLoy: 217055ha								
v P321: PFBA	17L2-32-1	0.0005	DgGSg	z0.0005	0.005 DgGSg	90.5	54	14L
v P321: PFBd	225-L7-1	0.0005	DgGSg	z0.0005	0.005 DgGSg	99.0	54	124
v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	z0.005	.035 DgGSg	128	5L	128

Matrix Spike (MS) Report

Tke qcalnyC NoEytol yetD u aytn, AprSe (u A) tefets yo aE nEytalar otayotC splny saDple sprSeO wnyk a tepteseEyaynne sey of yatgey aEalOyes. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot poyeEyal Daytn, effeNys oE aEalOye teNonetnes. AyaynNReNonnetCbnDys as pet lar otayotCMaya QcalnyCBr jeNynnes (MQBs). lOeal teNonetCtaEges syaye ODaCr e wannnOnE yke enneEyof saDple Daytn, nEyetfeteENe.

Acr-u aytn, : **SOIL**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EG00PT: Toy4vMey4vt) c lCu6AES sb CLoy: 21h1Q0Pa							
v u 1301441-003	d EoEOD ocs	v K005T: d tseEnN	7440-28-3	50 DgGSg	7L.L	70	120
		v K005T: i aODncD	7440-42-9	50 DgGSg	100	70	120
		v K005T: i ktoDncD	7440-47-2	50 DgGSg	82.5	70	120
		v K005T: i oppet	7440-50-8	50 DgGSg	103	70	120
		v K005T: beaO	7429-93-1	50 DgGSg	83.5	70	120
		v K005T: h nNSel	7440-03-0	50 DgGSg	101	70	120
		v K005T: ZnEN	7440-LL-L	50 DgGSg	132	70	120
EG0QPT: Toy4vRenoBer4) ve Mern- rc) c plMS sb CLoy: 21h1Q08a							
v u 1301441-003	d EoEOD ocs	v K025T: u etNctC	7429-97-L	5.0 DgGSg	102	5L	133
Eu088: uovcnmorl(4yed HIFme(cvt suCHa sb CLoy: 2171Q53a							
v u 1301441-002	d EoEOD ocs	v P0LL: Toyal PolONklotnEayeOr npkeEOs	----	1.34 DgGSg	87.8	55	123
Eu08hA: Org4(onmorl(e uet ylnldet sOCa sb CLoy: 2171Q5Qa							
v u 1301441-003	d EoEOD ocs	v P0L8: gaD Da-XHi	58-89-9	0.5 DgGSg	5L.7	20	139
		v P0L8: HepyaNklot	7L-44-8	0.5 DgGSg	54.0	33.3	139
		v P0L8: dlOtnE	209-00-3	0.5 DgGSg	40.2	35	138
		v P0L8: MnelOtnE	L0-57-1	0.5 DgGSg	48.7	2L	123
		v P0L8: v EOtnE	73-30-8	0.5 DgGSg	48.3	23	128
		v P0L8: 4.4`-MMT	50-39-2	0.5 DgGSg	42.1	31.8	140
Eu08hH: Org4(oFmot Fmor- t uet ylnldet sOua sb CLoy: 2171Q5Qa							
v u 1301441-003	d EoEOD ocs	v P0L8: MnaxrEoE	222-41-5	0.5 DgGSg	49.1	29	139
		v P0L8: i klotpOtnfos-D eykOl	5598-12-0	0.5 DgGSg	51.3	29	13L
		v P0L8: PntnDpkos-eykOl	32505-41-1	0.5 DgGSg	49.3	28	120
		v P0L8: XtoDopkos-eykOl	4834-78-L	0.5 DgGSg	43.4	25	114
		v P0L8: Ptoykmofos	24L42-4L-4	0.5 DgGSg	47.2	29	135
Eu073E: i 4voge(4yed AvFm4yln Co9 Fo- (dt sb CLoy: 21855P8a							
v u 1301497-004	d LPT3G3003	v P074: 1.1-MnNklotoeykeEe	75-25-4	3 DgGSg	9L.0	50	134
		v P074: TtnNklotoeykeEe	79-01-L	3 DgGSg	9L.0	L0	133
Eu073p: i 4voge(4yed Aro9 4yln Co9 Fo- (dt sb CLoy: 21855P8a							
v u 1301497-004	d LPT3G3003	v P074: i klotor eExeEe	108-90-7	3 DgGSg	108	L9	139
Eu07PA: ume(ovln Co9 Fo- (dt sb CLoy: 2171Q58a							
v u 1301441-004	d EoEOD ocs	v P075: PkeEol	108-95-3	5 DgGSg	7L.0	32.7	119
		v P075: 3-i klotopkeEol	95-57-8	5 DgGSg	LL.7	21.1	11L
		v P075: 3-h nytopkeEol	88-75-5	5 DgGSg	75.8	1L.4	115
		v P075: 4-i kloto-2-u eykOlpkeEol	59-50-7	5 DgGSg	93.7	33.2	133

Acr-u ayln : **SOIL**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
Eu07PA: ume(ovln Co9 Fo-(dt sb CLoy: 2171Q58a 6no(yl(-ed							
v u 1301441-004	dEoECDocs	v P075: PeEyaNklotopkeEol	87-8L-5	5 DgGSg	83.5	17.L	143
Eu07PH: uovc(-nve4r Aro9 4yln i cdron4r) o(t sb CLoy: 2171Q58a							
v u 1301441-004	dEoECDocs	v P075: dNeEapkykeEe	82-23-9	5 DgGSg	72.7	35.4	133
		v P075: PCteEe	139-00-0	5 DgGSg	74.5	14.L	137
Eu07PD: Nlyrot 49 l(et sb CLoy: 2171Q58a							
v u 1301441-004	dEoECDocs	v P075: h-hnytosoCnE-ptopCaDnEe	L31-L4-7	5 DgGSg	L4.2	17.8	110
Eu07PE: Nlyro4ro9 4ylnt 4(d Keyo(et sb CLoy: 2171Q58a							
v u 1301441-004	dEoECDocs	v P075: 3.4-MnEntoyolceEe	131-14-3	5 DgGSg	70.5	38.2	113
Eu07PG: Cmorl(4yed i cdron4r) o(t sb CLoy: 2171Q58a							
v u 1301441-004	dEoECDocs	v P075: 1.4-MnNklotor eExeEe	10L-4L-7	5 DgGSg	L7.7	32	113
		v P075: 1.3.4-TtnNklotor eExeEe	130-83-1	5 DgGSg	L0.9	13.9	111
Eu0h0/071: Toy4vueyrove-9 i cdron4r) o(t sb CLoy: 21855PPa							
v u 1301497-004	dLPT3G3003	v P080: i L-i 9 FtaNymE	----	38 DgGSg	92.1	49	137
Eu0h0/071: Toy4vueyrove-9 i cdron4r) o(t sb CLoy: 217PhQ3a							
v u 1301497-004	dLPT3G3003	v P071: i 10-i 14 FtaNymE	----	544 DgGSg	90.3	54	132
		v P071: i 15-i 38 FtaNymE	----	1981 DgGSg	104	74	124
		v P071: i 39-i 2L FtaNymE	----	818 DgGSg	9L.4	L2	142
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb CLoy: 21855PPa							
v u 1301497-004	dLPT3G3003	v P080: i L-i 10 FtaNymE	----	22 DgGSg	92.9	70	120
Eu0h0/071: Toy4vRenoBer4) ve i cdron4r) o(t 6NEuM 2010 Dr4fy sb CLoy: 217PhQ3a							
v u 1301497-004	dLPT3G3003	v P071: >i 10-i 1L FtaNymE	----	870 DgGSg	98.L	54	132
		v P071: >i 1L-i 24 FtaNymE	----	3495 DgGSg	99.3	74	124
		v P071: >i 24-i 40 FtaNymE	----	3L2 DgGSg	87.5	L2	142
Eu0h0: HTEXN sb CLoy: 21855PPa							
v u 1301497-004	dLPT3G3003	v P080: XeExeEe	71-42-3	3 DgGSg	108	58	12L
		v P080: TolceEe	108-88-2	3 DgGSg	114	L2	125
Eu218: uernmor4ye)c LC/MS sb CLoy: 2171175a							
v u 1301497-001	dLPT4G3001	v P31L: PetNklotaye	7L01-90-2	35 µgGSg	83.8	70	120
Eu2QI: uerfv-oroonycvAnldt 4(d S-vfo(4yet. sb CLoy: 217055ha							
v u 1301497-001	dLPT4G3001	v P321: PFBA	17L2-32-1	0.005 DgGSg	119	54	14L
		v P321: PFBd	225-L7-1	0.005 DgGSg	84.2	54	124
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	.035 DgGSg	13L	5L	128

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EM1201497**	Page	: 1 of 12
Client	: GOLDER ASSOCIATES	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6207 Building 09, 025, - - S8 an St9Richmond9wlCV. 131 HAWTHORN WEST wlC9AUSTRALIA . 133	Address	: 4 Westall Rd Springvale wlC Australia . 101
E5mail	: nmccormack@golder\Vcom\Vau	E5mail	: samantha\Vsmith@alsglobal\Vcom
Telephone	: +61 2. - - 63 . , 22	Telephone	: +615 5- , 47 7644
Facsimile	: +61 2. - - 63 . , 21	Facsimile	: +615 5- , 47 7621
Project	: 11061. 321	QC Level	: NEPM 1777 Schedule B(.) and ALS QCS. requirement
Site	: F5wlC		
C5O5C number	: - 16,	Date Samples Received	: 1. 5FEB5213
Sampler	: RM	Issue Date	: 3- 5FEB5213
Order number	: GA5MELB . . 3, 27		
		NoVof samples received	: 0
Quote number	: MEK2, 4K13	NoVof samples analysed	: 4

This report supersedes any previous report(s) 8ith this reference\VResults apply to the sample(s) as submitted\VAll pages of this report have been checked and approved for release\V

This Interpretive Quality Control Report contains the follo8ing information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The follo8 ing report summarises e/ traction K preparation and analysis times and compares 8 ith recommended holding timesV Dates reported represent first date of e/ traction or analysis and precludes subsequent dilutions and rerunsV Information is also provided re the sample container (preservative) from 8 hich the analysis aliquot 8 as takenV Elapsed period to analysis represents number of days from sampling 8 here no e/ traction K digestion is involved or period from e/ traction K digestion 8 here this is presentV For composite samples9 sampling date is assumed to be that of the oldest sample contributing to the compositeV Sample date for laboratory produced leachates is assumed as the completion date of the leaching processV Outliers for holding time are based on USEPA SW - 469 APHA9 AS and NEPM (1777)V A listing of breaches is provided in the Summary of OutliersV

Holding times for leachate methods (e/ cluding elutriates) vary according to the analytes being determined on the resulting solutionV For non 5/olatile analytes9 the holding time compliance assessment compares the leach date 8 ith the shortest analyte holding time for the equivalent soil methodV These soil holding times are: Organics (14 days)x Mercury (3- days) ; other metals (1- 2 days)V A recorded breach therefore does not guarantee a breach for all non5/olatile parametersV

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA002 : pH (Soils)								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT. k8223	**13-FEB-2012**	**16-FEB-2012**	325-FEB53213	✓	**16-FEB-2012**	165-FEB53213	✓
EA055: Moisture Content								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	----	5555	5555	**15-FEB-2012**	305-FEB53213	✓
A6PT. k82239	A6PT1k8221							
EG005T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**23-FEB-2012**	115-AUG53213	✓	**27-FEB-2012**	115-AUG53213	✓
A6PT. k82239	A6PT1k8221							
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**23-FEB-2012**	135-MAR53213	✓	**24-FEB-2012**	135-MAR53213	✓
A6PT. k82239	A6PT1k8221							
EP004: Organic Matter								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**16-FEB-2012**	325-FEB53213	✓	**16-FEB-2012**	1, 5-MAR53213	✓
A6PT. k82239	A6PT1k8221							
EP066: Polychlorinated Biphenyls (PCB)								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**17-FEB-2012**	305-FEB53213	✓	**20-FEB-2012**	3- 5-MAR53213	✓
A6PT. k82239	A6PT1k8221							
EP068A: Organochlorine Pesticides (OC)								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**17-FEB-2012**	305-FEB53213	✓	**20-FEB-2012**	3- 5-MAR53213	✓
A6PT. k82239	A6PT1k8221							
EP068B: Organophosphorus Pesticides (OP)								
Soil Glass Jar - Unpreserved								
A6PT4k82219	A6PT3k82239	**13-FEB-2012**	**17-FEB-2012**	305-FEB53213	✓	**20-FEB-2012**	3- 5-MAR53213	✓
A6PT. k82239	A6PT1k8221							

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / *Container / Client Sample ID(s)*		*Sample Date*	*Extraction / Preparation*			*Analysis*		
			Date extracted	*Due for extraction*	*Evaluation*	***Date analysed***	*Due for analysis*	*Evaluation*
EP074A: Monocyclic Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074B: Oxygenated Compounds								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074C: Sulfonated Compounds								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074D: Fumigants								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074E: Halogenated Aliphatic Compounds								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074F: Halogenated Aromatic Compounds								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP074G: Trihalomethanes								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**15-FEB-2012**	305-FEB-53213	✓	**17-FEB-2012**	305-FEB-53213	✓
A6PT. k32239	A6PT1k3221							
EP075A: Phenolic Compounds								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**17-FEB-2012**	305-FEB-53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. k32239	A6PT1k3221							
EP075B: Polynuclear Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**17-FEB-2012**	305-FEB-53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. k32239	A6PT1k3221							
EP075C: Phthalate Esters								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**17-FEB-2012**	305-FEB-53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. k32239	A6PT1k3221							
EP075D: Nitrosamines								
Soil Glass Jar - Unpreserved								
A6PT4k32219	A6PT3k32239	**13-FEB-2012**	**17-FEB-2012**	305-FEB-53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. k32239	A6PT1k3221							

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075E: Nitroaromatics and Ketones								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP075F: Haloethers								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP075G: Chlorinated Hydrocarbons								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP075H: Anilines and Benzidines								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP075I: Organochlorine Pesticides								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP075J: Organophosphorus Pesticides								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**17-FEB-2012**	305FEB53213	✓	**20-FEB-2012**	3- 5MAR53213	✓
A6PT. K2239	A6PT1K221							
EP080/071: Total Petroleum Hydrocarbons								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**15-FEB-2012**	305FEB53213	✓	**17-FEB-2012**	305FEB53213	✓
A6PT. K2239	A6PT1K221							
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**21-FEB-2012**	305FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A6PT. K2239	A6PT1K221							
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**15-FEB-2012**	305FEB53213	✓	**17-FEB-2012**	305FEB53213	✓
A6PT. K2239	A6PT1K221							
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**21-FEB-2012**	305FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A6PT. K2239	A6PT1K221							
EP080: BTEX								
Soil Glass Jar - Unpreserved								
A6PT4K2219	A6PT3K2239	**13-FEB-2012**	**15-FEB-2012**	305FEB53213	✓	**17-FEB-2012**	305FEB53213	✓
A6PT. K2239	A6PT1K221							

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP080: BTEXN								
Soil Glass Jar - Unpreserved								
A6PT4K32219	A6PT3K32239	**13-FEB-2012**	**15-FEB-2012**	305FEB53213	✓	**17-FEB-2012**	305FEB53213	✓
A6PT. K32239	A6PT1K3221							
EP216: Perchlorate by LC/MS								
Soil Glass Jar - Unpreserved								
A6PT4K32219	A6PT3K32239	**13-FEB-2012**	**16-FEB-2012**	135MAR53213	✓	**17-FEB-2012**	1, 5MAR53213	✓
A6PT. K32239	A6PT1K3221							
EP231: Perfluorooctyl Acids and Sulfonates.								
Soil Glass Jar - Unpreserved								
A6PT4K32219	A6PT3K32239	**13-FEB-2012**	**22-FEB-2012**	115AUG53213	✓	**22-FEB-2012**	235APR53213	✓
A6PT. K32239	A6PT1K3221							

Quality Control Parameter Frequency Compliance

The follo8 ing report summarises the frequency of laboratory QC samples analysed 8 ithin the analytical lot(s) in 8 hich the submitted sample(s) 8 as(8 here) processedVActual rate should be greater than or equal to the e/ pected rateVA listing of breaches is provided in the Summary of OutliersV

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA2, , 512.	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Organic Matter	EP224	3	13	**16.7**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	4	**25.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	3	1,	**13.3**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	3	11	**18.2**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
pH (1:,)	EA223	1	12	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	3	11	**18.2**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	3	11	**18.2**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	0	**14.3**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	,	**20.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	,	**20.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Laboratory Control Samples (LCS)							
Organic Matter	EP224	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	4	**25.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	1,	**6.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	0	**14.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Method Blanks (MB)							
Organic Matter	EP224	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	4	**25.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	1,	**6.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	11	**9.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	0	**14.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Matri/ Spikes (MS)							
Perchlorate in Soils and Sediments by LCKMS	EP316	1	4	**25.0**	**5.0**	✓	ALS QCS. requirement

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matri/ Spikes (MS) 5Continued							
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	1,	**6.7**	**5.0**	✓	ALS QCS. requirement
Pesticides by GCMS	EP26-	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	0	**14.3**	**5.0**	✓	ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	,	**20.0**	**5.0**	✓	ALS QCS. requirement
wolatile Organic Compounds	EP204	1	,	**20.0**	**5.0**	✓	ALS QCS. requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recogni=ed procedures such as those published by the US EPA9APHA9AS and NEPMVIn house developed procedures are employed in the absence of documented standards or by client requestVThe follo8 ing report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of AnalysisVSources from 8 hich ALS methods have been developed are provided 8 ithin the Method DescriptionsV

Analytical Methods	Method	Matrix	Method Descriptions
pH (1:,)	EA223	SOIL	(APHA 31st edV94, 22H+) pH is determined on soil samples after a 1:, soilK8 ater leachVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12.)
Moisture Content	EA2, , 512.	SOIL	A gravimetric procedure based on 8 eight loss over a 13 hour drying period at 12. 512, degrees CV This method is compliant 8 ith NEPM (3212 Draft) Schedule B(.) Section 0V1 and Table 1 (14 day holding time)V
Total Metals by ICP5AES	EG22, T	SOIL	(APHA 31st edV9. 132xUSEPA SW - 46 56212) (ICPAES) Metals are determined follo8 ing an appropriate acid digestion of the soilV The ICPAES technique ionises samples in a plasma9emitting a characteristic spectrum based on metals presentV Intensities at selected 8 avelengths are compared against those of matri/ matched standardsVThis method is compliant 8 ith NEPM (1777) Schedule B(.)
Total Mercury by FIMS	EG2. , T	SOIL	AS . , , 29APHA 31st edV9 . 113 Hg 5B (Flo8 5injection (SnCl3)(Cold wapour generation) AAS) FIM5AAS is an automated flameless atomic absorption techniqueVMercury in solids are determined follo8 ing an appropriate acid digestionVIonic mercury is reduced online to atomic mercury vapour by SnCl3 8 hich is then purged into a heated quart= cellV Quantification is by comparing absorbance against a calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.)
Organic Matter	EP224	SOIL	AS13- 7V4V1V1 51770V9 Dichromate o/ idation method after Walkley and BlackVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12,)
Polychlorinated Biphenyls (PCB)	EP266	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 24)
Pesticides by GCMS	EP26-	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 249 2,)
TPH 5Semivolatile Fraction	EP201	SOIL	(USEPA SW - 46 5- 21, A) Sample e/ tracts are analysed by Capillary GCKFID and quantified against alkane standards over the range C12 5C. 6VThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 26V1)
wolatile Scan for Unkno8 ns	EP203	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
Semivolatile Scan for Unkno8 ns	EP20.	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
wolatile Organic Compounds	EP204	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 21)
Semivolatile Organic Compounds	EP20,	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 23)
TPH wolatilesKBTEX	EP2- 2	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 21)
Perchlorate in Soils and Sediments by LCKMS	EP316	SOIL	US EPA Method 6- , 2: , g of sample is e/ trascted 8 ith 3, mL of 8 ater acidifed 8 ith acetic acid9filtered 8 ith a 2V8 zm filter (to e/ tend e/ tract holding time) and analysed by LCKMS in ESI (negative) modeV

Analytical Methods	Method	Matrix	Method Descriptions
Perfluorooctyl Acids and Sulfonates by LCKVMSKVMS	µEP3. 1	SOIL	In5HouseV A portion of soil is soaked in sodium hydro/ ide follo8 ed by e/ traction 8 ith methanolV The e/ tract is neutralised 8 ith HCl and an aliquot taken to dryness9made up in mobile phaseV Analysis is by LCKVMSMS9ESI Negative Mode using MRMV

Preparation Methods	Method	Matrix	Method Descriptions
1:, solid K8 ater leach for soluble analytes	EN. 4	SOIL	12 g of soil is mi/ ed 8 ith , 2 mL of distilled 8 ater and tumbled end over end for 1 hourV Water soluble salts are leached from the soil by the continuous suspensionV Samples are settled and the 8 ater filtered off for analysisV
Hot Block Digest for metals in soils sediments and sludges	EN67	SOIL	USEPA 322V3 ModVHot Block Acid Digestion 1V2g of sample is heated 8 ith Nitric and Hydrochloric acids9then cooledV Pero/ ide is added and samples heated and cooled again before being filtered and bulked to volume for analysisV Digest is appropriate for determination of selected metals in sludge9sediments9and soilsVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 323)
Organic Matter	EP2245PR	SOIL	AS13- 7V4V1V1 51770V9 Dichromate o/ idation method after Walkley and BlackVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12,)
Sample E/ traction for Perchlorate	EP3165PR	SOIL	US EPA 6- , 2V
Sample E/ traction for Perfluoroalkyl Compounds	EP3. 15PR	SOIL	In5House
Methanolic E/ traction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW - 46 5, 2. 2A) , g of solid is shaken 8 ith surrogate and 12mL methanol prior to analysis by Purge and Trap 5 GCKVMSV
Tumbler E/ traction of Solids (Option A 5 Concentrating)	ORG10A	SOIL	In5house9Mechanical agitation (tumbler)V32g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 1, 2mL 1:1 DCMKAcetone by end over end tumbleV The solvent is decanted9dehydrated and concentrated (by * D) to the desired volume for analysisV
Tumbler E/ traction of Solids (Option B 5 Non5concentrating)	ORG10B	SOIL	In5house9Mechanical agitation (tumbler)V12g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 32mL 1:1 DCMKAcetone by end over end tumbleV The solvent is transferred directly to a GC vial for analysisV

Summary of Outliers

Outliers : Quality Control Samples

The follo8 ing report highlights outliers flagged in the Quality Control (QC) ReportV Surrogate recovery limits are static and based on USEPA SW-46 or ALS5QWIKENK- (in the absence of specific USEPA limits)V This report displays QC Outliers (breaches) onlyV

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matri/ : **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP204D: Fumigants	3, 6-730522,	5555	**cis-1.3-Dichloropropylene**	122615215,	112 %	, 75127%	**Recovery greater than upper control limit**
EP204F: Halogenated Aromatic Compounds	3, 6-730522,	5555	**1.2.3-Trichlorobenzene**	-056156	132 %	625132%	**Recovery greater than upper control limit**
EP20, D: Nitrosamines	3, 02-. , 522-	5555	**Methapyrilene**	715-25,	1-V0 %	34V4514. %	**Recovery less than lower control limit**
EP20, E: Nitroaromatics and * etones	3, 02-. , 522-	5555	**1-Naphthylamine**	1. 45-350	4V4 %	125-4%	**Recovery less than lower control limit**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**
- **For all matrices, no Matrix Spike outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches onlyVOnly the respective E/ traction KPreparation andK6r Analysis component isK6are displayedV

- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

The follo8 ing report highlights breaches in the Frequency of Quality Control SamplesV

- **No Quality Control Sample Frequency Outliers exist.**

Golder Associates

CHAIN OF CUSTODY
Nº 8165

GOLDER ASSOCIATES PTY LTD
BUILDING 7, BOTANICCA CORPORATE PARK, 570 - 588 SWAN STREET
RICHMOND VIC 3121
Tel: (03) 8862 3500
Fax: (03) 8862 3501

Golder Job Number: 117613201
Job Location: F-VIC
Laboratory Issued To: ALS
Purchase Order No.: GA MELB - 332809.
Sampled By (Golder): Roberto Nursia
Golder Job Contact: Niall McCormack
Golder Contact Email: nmccormack@golder.com.

* OBSERVATIONS	SAMPLE DATE	SAMPLE ID TAAXXX/MQNN	SAMPLE TYPE	SAMPLE DEPTH (m)	No. OF CONTAINERS	pH	Metals (As, Cd, Cr (total), Cu, Hg, Ni, Pb, Zn)	Total Petroleum Hydrocarbons (TPH)	Benzene, Toluene, Ethyl benzene, Xylenes (BTEX)	Polycyclic Aromatic Hydrocarbons (PAH) (Standard 16)	Organochlorine Pesticides (OCP)	Organophosphorus Pesticides (OPP)	Polychlorinated Biphenyls (PCB)	EPA Victoria Publication 448.3 Table 2 Screen (no ASLP testing)	EPA Victoria Publication 448.3 Table 3 Screen (incl. ASLP testing)	PFOS/PFOA	VOC (incl. full Scan)	SVOC (incl. full Scan)	Phenols	TOC	Perchlorates.
1	13/2	A6PT4/2001	Soil	0.2-0.5	6	X	X	X	X	X	X	X	X			X	X	X	X	X	X
2		A6PT4/2002		1.2-1.5	6																
3		A6PT2/2001		0.5-0.8	5																
4		A6PT2/2002		0.9-1.2	5		X	X	X	X	X	X	X			X	X	X	X	X	X
5		A6PT3/2001		0.2-0.5	5																
6		A6PT3/2002		1.2-1.4	5	X	X	X	X	X	X	X	X			X	X	X	X	X	X
7	↓	A6PT1/2001	↓	0.7-1.0	5		X	X	X	X	X	X	X			X	X	X	X	X	X
		"1" on jars																			

Environmental Division
Melbourne
R.T
Work Order
EM1201497

Telephone : +61-3-8549 9600

Special Instructions:

TURN AROUND TIME REQUIRED

☐ 1 Working Day ☐ 2 Working Days ☐ 3 Working Days ☐ 4 Working Days ☒ 5 Working Days (standard) ☐ Other

SAMPLE RECEIPT

Relinquished by: Niall McCormack Date: 13/2
Organisation: Golder Associates Time: 1.00
Received by: ok Date: 13/2
Organisation: Time: 6.45

DELIVERED BY:
COURIER/LAB ☐
GOLDER ☐

SAMPLE STATUS
☑ Security Sealed
☑ Chilled
☐ Frozen
☐ Ambient

ANALYTICAL SCHEDULE

Relinquished by: Date:
Organisation: Golder Associates Time:
Received by: Date: 13/2
Organisation: (ALS) Time: 16:40

RECEIVED BY:
FAX ☐
HAND ☐

RECEIVING LABORATORY TO CONFIRM RECEIPT OF ANALYTICAL SCHEDULE BY RETURN FAX TO : (03) 8862 3501

ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.: EM1201552 Units : mg/kg

Sample I.D. : 11 Client I.D. : A6PT10/2001

Analyst : GW

Sample Amt (g) : 22.53 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	11.19	64	Substituted Phenol	4465981	2	6
2	12.78	89	(beta.)methoxy-d-Friedoolean-14-ene	51233952	20	6
3	12.89	n/a	Unknown organic compound	46492208	18	6

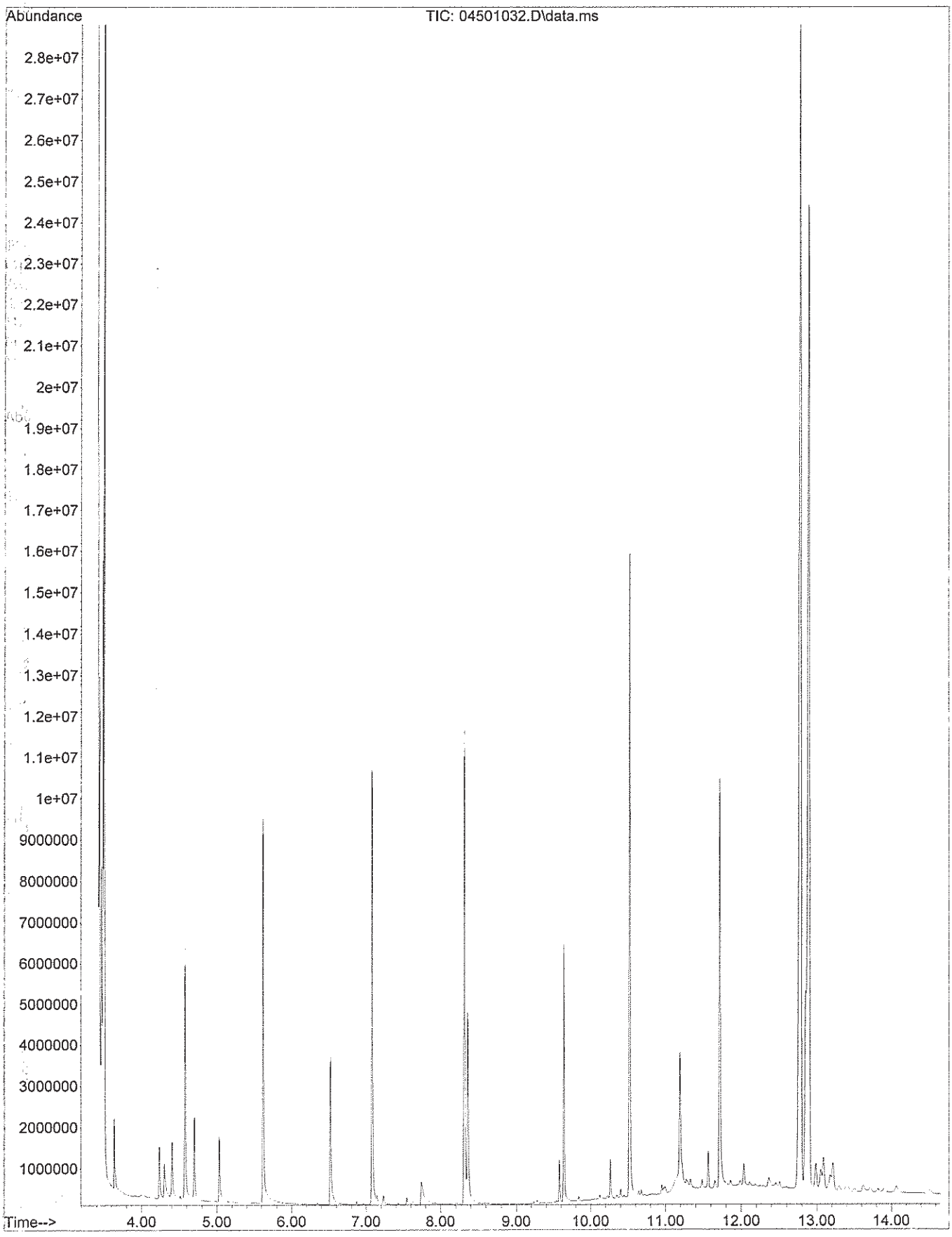
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.57	1,4-Dichlorobenzene-d4	5673412	20
2	5.62	Naphthalene-d8	8695442	20
3	7.07	Acenaphthene-d10	10640196	20
4	8.31	Phenanthrene-d10	11851347	20
5	10.52	Chrysene-d12	15164023	20
6	11.71	Perylene-d12	11579341	20

File :D:\MSDCHEM\1\DATA\2576757\04501032.D
Operator : SV15
Acquired : 21 Feb 2012 3:40 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_15
Misc Info : A6PT10/2001
Vial Number: 45



ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.: EM1201552 Units : mg/kg

Sample I.D. : 8 Client I.D. : A6PT8/2002

Analyst : XL

Sample Amt (g) : 21.14 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	6.92	70	Butylated Hydroxyanisole	35885395	4	3
2	6.96	99	2,6-Bis(1,1-dimethylethyl)-cyclohexadiene-dione	101004307	12	3
3	7.31	98	Butylated Hydroxytoluene	24148236	3	3
4	8.14	74	Substituted Phenol	29283951	2	4
5	8.82	99	Hexadecanoic acid	48543729	3	4
6	9.45	99	Octadecanoic acid	27635952	2	4
7	10.36	n/a	Unknown organic compound	23190086	1	4
8	10.67	n/a	Unknown organic compound	14226980	4	5
9	11.00	n/a	Unknown organic compound	72507407	20	5
10	11.22	n/a	Unknown organic compound	315597566	86	5
11	12.08	n/a	Unknown organic compound	82321947	35	6
12	12.79	89	(beta.)methoxy-d-Friedoolean-14-ene	26694395	11	6
13	12.89	n/a	Unknown organic compound	13070364	6	6

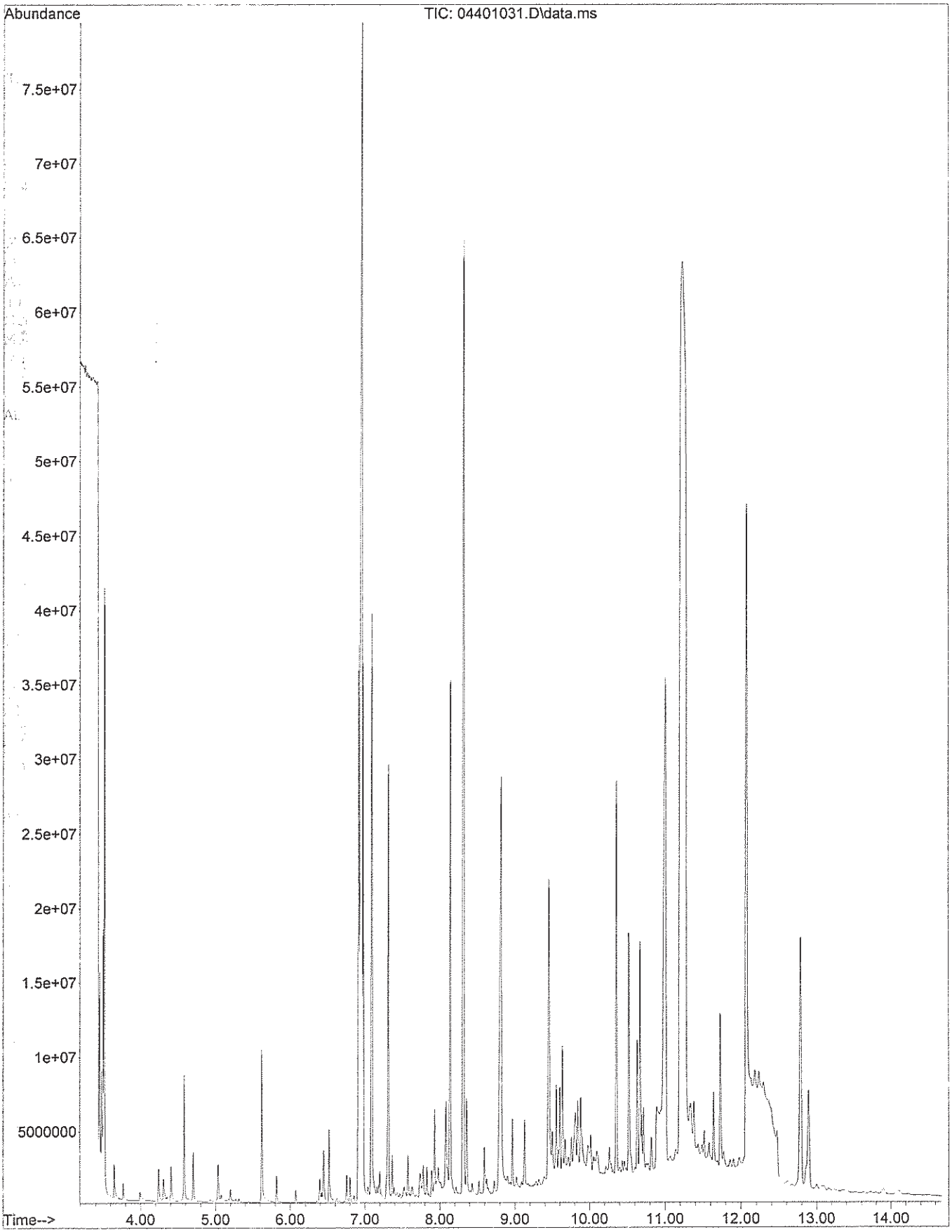
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1		1,4-Dichlorobenzene-d4	7283976	20
2		Naphthalene-d8	9382218	20
3		Acenaphthene-d10	38514209	20
4		Phenanthrene-d10	76653835	20
5		Chrysene-d12	17453422	20
6		Perylene-d12	11169188	20

File :D:\MSDCHEM\1\DATA\2576757\04401031.D
Operator : SV15
Acquired : 21 Feb 2012 3:21 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_14
Misc Info : A6PT8/2002
Vial Number: 44



ANALYTICAL RESULTS SHEET

EP-073

Semivolatile Scan for Unknowns

SHEET413/1 **(20 Largest Peaks > LOR)**

Batch No.: EM1201552 Units : mg/kg

Sample I.D. : 2 Client I.D. : A6PT6/2002

Analyst : XL

Sample Amt (g) : 23.15 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	12.77	90	(beta.)-methoxy-d-Fridedoolean-14-ene	17200971	6	6
2	12.87	n/a	Unknown organic compound	7671584	3	6

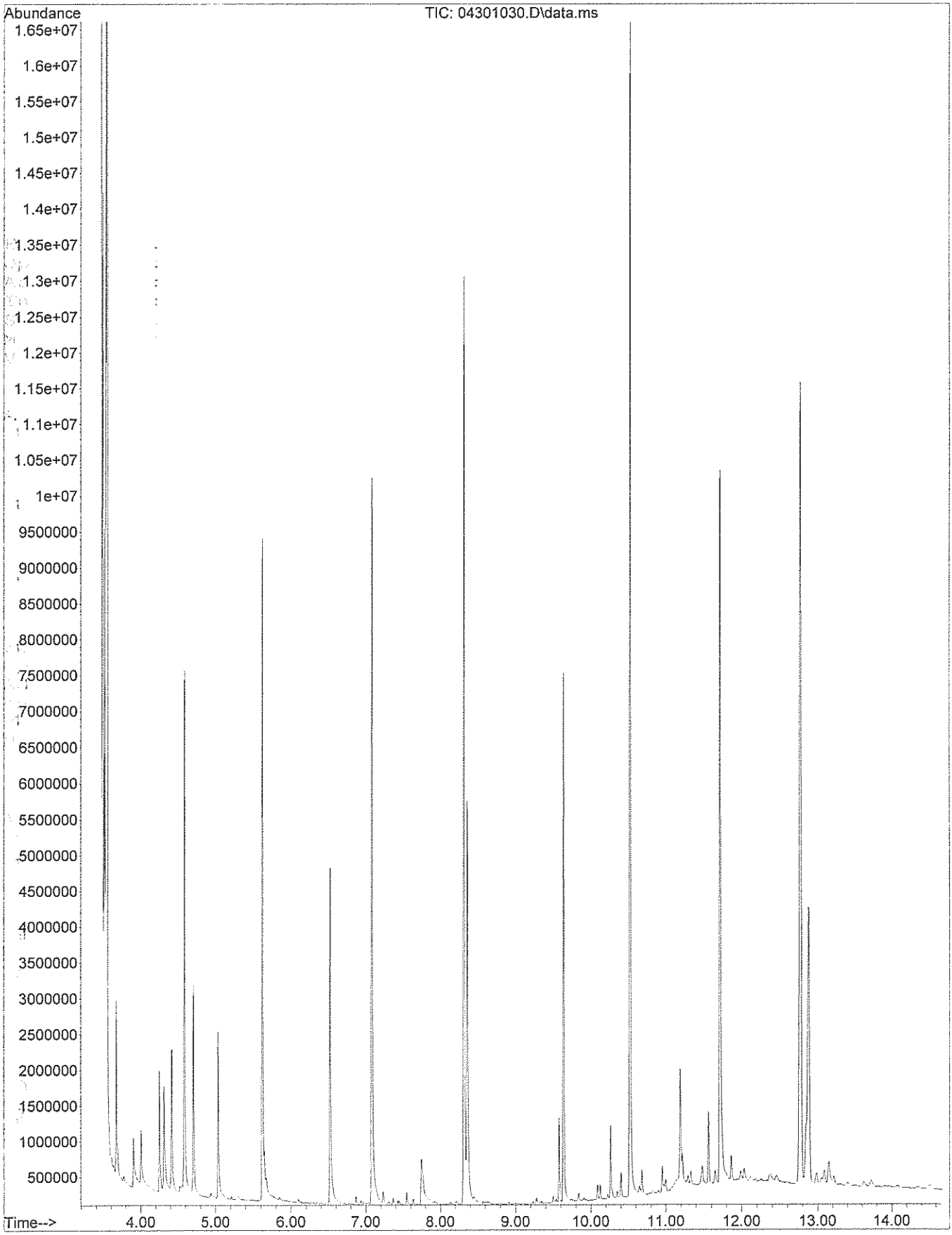
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.59	1,4-Dichlorobenzene-d4	6101084	20
2	5.62	Naphthalene-d8	9589671	20
3	7.08	Acenaphthene-d10	11477106	20
4	8.31	Phenanthrene-d10	12320278	20
5	10.52	Chrysene-d12	15649460	20
6	11.71	Perylene-d12	12213281	20

File :D:\MSDCHEM\1\DATA\2576757\04301030.D
Operator : SV15
Acquired : 21 Feb 2012 3:02 am using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2576757_13
Misc Info : A6PT6/2002
Vial Number: 43



CERTIFICATE OF ANALYSIS

Work Order	: **EM1201442**	s7el	P1g gf1
t fÿ Cb	P9 O7GEL DRROASDCER	o7f : L7b Lr	PECi yL: Cn l Cb7Fgv yi yay CgMl ff : mLCl
t : Cb7Db	Pu y7n cgMDt : Ln 7DN	t : Cb7Db	Ph7n 7Cbc7gh n ybc
k SSLl aa	Ps gA gd A OgB0X6 d mÿSyCe gX9g8X0,3- - gh8 7Cgh b9gwyDcn : CS9gRV lg 121 Hk WTHAwu gVEh TgRV 9gk Uh Twk oVkg 122	k SSLl aa	P4gVl ab7FfgwSgh pLyCei 7FfgRV gk mabL7fÿ7g 1X1
E,n 7yF	PCn DD: Ln 7DN@e: fSl LlD: n l7m	E,n 7yF	Pa7n 7Cbc7lan ybc@7FaeF: f 7FfD: n
Tl ff pc: Cl	P+B1g0. g- B2g 300	Tl ff pc: Cl	P+B1,. ,- 346g6B44
57Dayn yF	P+B1g0. g- B2g 301	57Dayn yF	P+B1,. ,- 346g6B01
s L: jl Db	P11XB1. 201	Qt gpl i l F	Pu Es Mgf666ggh Dc l SmFf gd (.)g7CSgk oh gQt h. gL qmyL n l Cb
A LSl LgCmn f l L	PGk ,MEod g . 2306		
t ,A,t gCmn f l L	P- 1BB	v 7b gh 7n pFf agvl Di yi l S	P14,5Ed ,2012
h7n pff L	PwM	\aam l gy 7b	P2- ,5Ed ,2012
hyb	P5 gg RV		
		u : lg ga7n pFf agL Di yi l S	P12
Qm b gCmn f l L	PME/034/12	u : lg ga7n pFf ag7C7Ffal S	P.

Tc yag Ll p: Lbg amp l Lal Sl ag 7Cr g pLi i y. mag Ll p: Lb(a)g 8 ybc g bc yag Ll l Ll CCl lg wl amfÿag 7ppFf g b g bc l g a7n pFf (a)g 7ag amf n ybb Slg k Ffg p7el ag : g bc yag Ll p: Lbg c7i l g f l l Cg Dc l DN Sg 7CSg 7ppL: i l Sg : L Ll ff 7al lg

Tc yag l Lb yyD7b g gk C7Ff ayag D Cb7yCag bc l g: ff: 8 yCe gC : Ln 7by CP

- Gl Cl L7Fg : n n l Cba
- k C7Ff by D7Fgvl amfÿa
- h mLL: e7b g : CbL: Fgpyn yba

u k Tk gk DDLl Syb Sg p7f : L7b Lr g 23
g
k DDLl Syb Sg: Lg D: n pfÿ7CDl g8 ybc g
VhA/VEt gl X023l

Signatories

Tc yag S: Dmn l Cbg c7ag f l l Cg l ff Dbl: CyD7Ffg aye Cl Sg f r g bc l g 7mbc: Lyzl Sg aye C7b Ly ag yCSyD7b l Sg f l F: 8 lg EFf Dbl: CyDg aye CyCeg c7ag f l l C D7LLy Sg mbgCgD: n pfÿ7CDl g8 ybc gpL: Dl Sml agapl Dyy l SgCg21g 5wgs 7Lbgf1l

Signatories	*Position*	*Accreditation Category*
ELyDg c7m	Ml b7FagTl 7n gpl 7Sl L	Ml ff : mLCl gyC: Le7CyDa
u 7CDr gV7Ce	hl Cy Lgh l n yi : F7byFf gyCabLmm l Cbg cl n yab	Ml ff : mLCl gyC: Le7CyDa
u 7CDr gV7Ce	hl Cy Lgh l n yi : F7byFf gyCabLmm l Cbg cl n yab	Ml ff : mLCl gA Le7CyDa
s c7f7NgyCbc7Na: Cl	o7f : L7b Lr gM7C7el Lgg A Le7CyDa	hr SCl r gA Le7CyDa
R7Lac7gH: gVyCe	u : C,Ml b7FagTl 7n gpl 7Sl L	Ml ff : mLCl gyC: Le7CyDa

s 7el	P 2g gf1
W: LNgA LSI L	P EM1201332
t Rj Cb	P GA ov Ewgk hh At Vk TEh
s L: jl Db	P 11XB1. 201

General Comments

Tcl g 7C7FhjD7Rg pL: Dl SmUl ag mal Sg f r g bcl g EOl y: On l Cb7Rg v yj yay. Cg c7i l g f l l Cg Sl i l F: pl Sg L: n g l ab7f Rjacl Sg yCb LC7by C7FFg Ll D. eOyzl Sg pL: Dl SmUl ag amDcg 7ag bc: al g pmf Rjacl Sg f r g bcl g Uh Es k 9g k s Hk 9g k h g 7CSg u Es MIg VCg c: mal Sl i l F: pl Sgp L: Dl SmUl ag7Ll g l n pF: r l SgOgbcl g7f al CDl g gS: Dmn l Cb Sgab7CS7LSag Lgf r gDRj Cdgl qm l ab

Wcl Ll gn : yabmUl gSl b Ln yC7by. Cgc 7agf l l Cgp l L: Ln l S9gl amfBag7Ll g l p: Lb Sg Cg7gSLr g8 l yeclgf 7ayal

Wcl Ll g7g l p: Lb SgFaadc 7Cg(<)gl amfBgyagcyecl Lgbc 7Cgbcl gpA w9gbcyagn 7r gf l gSml gb gpLyn 7Lr ga7n pFFg l xbL7DbSyel ab7b gSyFmby Cg7CS/: LgCam yDy Cdga7n pFFg: Lg7C7Fr ayal

Wcl Ll gbcl gpA w g g7g l p: Lb SgL amfBgSy l Lag L: n gab7CS7LSgpA w9gbcyagn 7r gf l gSml gb gpcyecgn : yabmUl gD: Cb Cb9gCam yDy Cdga7n pFFg(Ll SmDl Sg8 l yeclgl n pF: r l S)g Lgn 7bUyxgCb LI Ll CDl l

Wcl Cga7n pRjCedgyn l gyC: Ln 7by. Cgyag C: bgpL: i ySl Sgf r gbcl gDRj Cb9ga7n pRjCeg S7b ag7Ll gac: 8 Cg8 ybc: mbg7 gyn l gD: n p: Cl Cdgg\Cgbcl al gCab7CDl a9gbcl gyn l gD: n p: Cl Cbgc 7agf l l Cg7aamn l Sgf r gbcl gF7f : L7b Lr g: LgpL: Dl aayCegpmUp: al al

Kl r gP t k h gu mn f l Lg=g k h gL eyabLr gOmn f l LgL: n gS7b7f 7al gn 7yCb7yCl Sgf r g cl n yD7Rgk f abL7Dbagh l Li yDl alg Tcl g cl n yD7Rgk f abL7Dbagh l Li yDl gag7gSyi yay. Cg gbcl gk n l LyD7Cg cl n yD7Rgh : Dy br l
oA w g=gpyn ybg gL l p: LbyCe
mg=gTcyagL amfBgyagD: n pmb SgL: n gCSyi ySm7Rg7C7FFb gSl b Dby. Cag7bg Lg7f : i l gbcl gF i l Fg gL l p: LbyCe

- **E^0P4: 'Ruc of ^DH' ia the auc of the URE^D 1. priority ^DHa**
- **E^261: ^FOD & ^FOR reaulta wre reported wa wn wssreswte of linewr wnd grwnbhed iaoc eraTMwtri/ apike rebo, ery not deterc ined for ^FOR due to hish gwbksround le, el of twrset wnwlyteT**
- **^FORN^FOD wnd ^erbhlorwte bondubted gy D7R Rydney( ) DCD wbbreditwtion noT- 24(aite no 10811T**

Analytical Results

hmf ,M7tLyx: ROS7				Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
				Client sampling date / time	1. ,5Ed ,2012gf3P00	1. ,5Ed ,2012gf3P00	1. ,5Ed ,2012gf3P00	,,,,	,,,,
Compound	*CAS Number*	*LOR*	*Unit*		EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
ED044: Moiature Aontent									
Moiature Aontent Vdried @ 106°AZ	,,,,	1I0	µ		1PT3	21T3	26T3	,,,,	,,,,
E9 004C: Cotwl Metwla gy SA^+DER									
Draenib	X440,. - ,2	3	n e/Ne		<3	<3	<3	,,,,	,,,,
Awdc iuc	X440,4. ,6	1	n e/Ne		<1	<1	<1	,,,,	,,,,
Ahroc iuc	X440,4X,.	2	n e/Ne		P6	. 6	P3	,,,,	,,,,
Aopper	X440,30,-	3	n e/Ne		8	-	16	,,,,	,,,,
7ewd	X4. 6,62,1	3	n e/Ne		13	1-	16	,,,,	,,,,
) ibkel	X440,02,0	2	n e/Ne		2-	26	62	,,,,	,,,,
vinb	X440,BB,B	3	n e/Ne		-	10	13	,,,,	,,,,
E9 064C: Cotwl Lebo, erwgle Merbury gy FSMR									
Merbury	X4. 6,6X,B	0I1	n e/Ne		0T1	0T1	0T2	,,,,	,,,,
E^003: Orswnib Mwtter									
Cotwl Orswnib Awrgon	,,,,	0I3	µ		<0I3	1T0	0TP	,,,,	,,,,
E^0. . : ^olybhlorinwted Biphenyla V^ABZ									
Cotwl ^olybhlorinwted giphenyla	,,,,	0I10	n e/Ne		<0I10	<0I10	<0I10	,,,,	,,,,
E^0. -D: Orswnobhlorine ^eatibidea VOAZ									
wlphw+BHA	. 16,-4,B	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
He/ wbhlorogenxene VHABZ	11- ,X4,1	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
getw+BHA	. 16,-3,X	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
swc c w+BHA	3- ,-6,6	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
deltw+BHA	. 16,-B,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Heptwbhlor	XB,44,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Dldrin	. 06,00,2	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Heptwbhlor epo/ ide	1024,3X,.	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
trwna+Ahlordwne	310. ,X4,2	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
wlphw+Endoaulfwn	636,6- ,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
bia+Ahlordwne	310. ,X1,6	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Gieldrin	B0,3X,1	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
3T3z+GGE	X2,33,6	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Endrin	X2,20,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
getw+Endoaulfwn	. . 21. ,B3,6	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
3T3z+GGG	X2,34,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Endrin wldehyde	X421,6. ,4	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Endoaulfwn aulfwte	10. 1,0X,-	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
3T3z+GGC	30,26,.	0I2	n e/Ne		<0I2	<0I2	<0I2	,,,,	,,,,
Endrin ketone	3. 464,X0,3	0I03	n e/Ne		<0I03	<0I03	<0I03	,,,,	,,,,
Metho/ ybhlor	X2,4. ,3	0I2	n e/Ne		<0I2	<0I2	<0I2	,,,,	,,,,

s7el P4g gl1
W: LNgALSI L P EM1201332
t RjCb P GAov Ewgk hhAt VkTEh
sL: jl Db P 11XB1. 201

Analytical Results

hmf,M7tLyx: ROS7			Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
			Client sampling date / time	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^0. - B: Orswnophoaphorua ^eatibidea \O^Z								
Gibhlor, oa	B2,X. ,X	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Gec eton+R+c ethyl	616,- B,-	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Monobrotophoa	B62. ,22,4	0I2	n e/Ne	<0I2	<0I2	<0I2	,,,,	,,,,
Gic ethowte	B0,31,3	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Giwxinon	. . . ,41,3	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Ahlorpyrifoa+c ethyl	336- ,1. ,0	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
^wrwthion+c ethyl	26- ,00,0	0I2	n e/Ne	<0I2	<0I2	<0I2	,,,,	,,,,
Mwlwthion	121,X3,3	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Fenthion	33,. - ,6	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Ahlorpyrifoa	2621,- - ,2	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
^wrwthion	3B,. - ,2	0I2	n e/Ne	<0I2	<0I2	<0I2	,,,,	,,,,
^iric phoa+ethyl	2. 303,41,1	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Ahlorfen, inphoa	4X0,60,B	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Broc ophoa+ethyl	4- 24,X- ,B	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Fenwc iphoa	22224,62,B	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
^rothiofoa	. 4B4. ,4B,4	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Ethion	3B. ,12,2	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Awrgophenothion	X- B,16,B	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
Dxinphoa Methyl	- B,30,0	0I03	n e/Ne	<0I03	<0I03	<0I03	,,,,	,,,,
E^0P3D: Monobyblib Droc wtib Hydrobwrgona								
Benxene	X1,4. ,2	0I2	n e/Ne	<0I2	<0I2	<0I2	,,,,	,,,,
Coluene	10- ,- - ,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ethylgenxene	100,41,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
c etw+& pwrw+ ylene	10- ,. - ,. gl0B,42,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Rtyrene	100,42,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
ortho+ ylene	63,4X,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Sopropylgenxene	6- ,- 2,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
n+^ropylgenxene	10. ,B3,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T4+Cric ethylgenxene	10- ,BX,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
aeb+Butylgenxene	1. 3,6- ,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2T3+Cric ethylgenxene	63,B. ,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
tert+Butylgenxene	6- ,0B,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
p+Sopropyltoluene	66,- X,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
n+Butylgenxene	104,31,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P3B: O/ ysenwted Aoc pounda								
Kinyl Dbetwte	10- ,03,4	3	n e/Ne	<3	<3	<3	,,,,	,,,,
2+Butwnone \MEqZ	X- ,6. ,.	3	n e/Ne	<3	<3	<3	,,,,	,,,,
3+Methyl+2+pentwnone \MSBqZ	10- ,10,1	3	n e/Ne	<3	<3	<3	,,,,	,,,,

s 7el P 3g gl1
W: LNgALSI L P EM1201332
t RJ Cb P GA ov Ewgk hh At Vk TEh
s L: jl Db P 11XB1. 201

Analytical Results

hmf ,M7tLyx: ROS7			Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
			Client sampling date / time	1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442-002	EM1201442-00-	EM1201442-011	+++	+++
E^0P3B: O/ ysenwted Aoc pounda +Aontinued								
2-He/ wnone VMBqZ	361,X- ,B	3	n e/Ne	<3	<3	<3	,,,,	,,,,
E^0P3A: Rulfonwted Aoc pounda								
Awrgon diaulfide	X3,13,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P3G: Fuc iswnta								
2T2-Gibhloropropwne	364,20,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2-Gibhloropropwne	X- ,- X,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
bia-1T6-Gibhloropropylene	100B1,01,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
trwna-1T6-Gibhloropropylene	100B1,02,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2-Gigroc oethwne VEGBZ	10B,6. ,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P3E: Hwlosenwted Dliphwtib Aoc pounda								
Gibhlorodifluoroc ethwne	X3,X1,-	3	n e/Ne	<3	<3	<3	,,,,	,,,,
Ahloroc ethwne	X4,- X,.	3	n e/Ne	<3	<3	<3	,,,,	,,,,
Kinyl bhloride	X3,01,4	3	n e/Ne	<3	<3	<3	,,,,	,,,,
Broc oc ethwne	X4,- . ,6	3	n e/Ne	<3	<3	<3	,,,,	,,,,
Ahloroethwne	X3,00,.	3	n e/Ne	<3	<3	<3	,,,,	,,,,
Cribhlorofluoroc ethwne	X3,B6,4	3	n e/Ne	<3	<3	<3	,,,,	,,,,
1T1-Gibhloroethene	X3,. 3,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Sdoc ethwne	X4,- - ,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
trwna-1T2-Gibhloroethene	13B,B0,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1-Gibhloroethwne	X3,. 4,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
bia-1T2-Gibhloroethene	13B,36,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1T1-Cribhloroethwne	X1,33,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1-Gibhloropropylene	3B. ,3- ,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Awrgon Cetrwbhloride	3B,2. ,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2-Gibhloroethwne	10X,0B,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Cribhloroethene	X6,01,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gigroc oc ethwne	X4,63,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1T2-Cribhloroethwne	X6,00,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T6-Gibhloropropwne	142,2- ,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Cetrwbhloroethene	12X,1- ,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1T1T2-Cetrwbhloroethwne	B. 0,20,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
trwna-1T3-Gibhloro-2-gutene	110,3X,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
bia-1T3-Gibhloro-2-gutene	14XB,11,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T1T2T2-Cetrwbhloroethwne	X6,. 4,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2T6-Cribhloropropwne	6B,1- ,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^entwbhloroethwne	XB,01,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2-Gigroc o-6-bhloropropwne	6B,12,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P3F: Hwlosenwted Droc wtib Aoc pounda								

Analytical Results

hmf,M7tLyx: ROS7			Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
			Client sampling date / time	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^0P3F: Hwlosenwted Droc wtib Aoc pounda +Aontinued								
Ahlorogenxene	10-,60,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Broc ogenxene	10-,-B,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+Ahlorotoluene	63,46,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Ahlorotoluene	10B,4. ,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2T6+Cribhlorogenxene	-X,B1,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P39 : Crihwloc ethwnea								
Ahloroforc	BX,BB,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Broc odibhloroc ethwne	X3,2X,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gigroc obhloroc ethwne	124,4-,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Broc oforc	X3,23,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4D: ^henolib Aoc pounda								
^henol	10-,63,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+Ahlorophenol	63,3X,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+Methylphenol	63,4-,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
6+& 3+Methylphenol	1. 16,XX,.	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
2+) itrophenol	--,X3,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T3+Gic ethylphenol	103,BX,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T3+Gibhlorophenol	120,-.,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T +Gibhlorophenol	-X,B3,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Ahloro+6+Methylphenol	36,30,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T3T +Cribhlorophenol	--,0B,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T3T4+Cribhlorophenol	63,63,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^entwbhlorophenol	-X,-B,3	1	n e/Ne	<1	<1	<1	,,,,	,,,,
E^0P4B: ^olynublew Droc wtib Hydrobwrgona								
) wphthwlene	61,20,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+Methylnwphthwlene	61,3X,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+Ahloronwphthwlene	61,3-,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Dbenwphthylene	20-,6B,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Dbenwphthene	-.,. 2,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Fluorene	-B,X.,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^henwnthrene	-3,01,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Dnthrwbene	120,12,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Fluorwnthene	20B,44,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^yrene	126,00,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +2+Fluorenyl Dbetwc ide	3.,6B,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
BenxWZwnthrwbene	3B,33,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ahryaene	21-,01,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,

s 7el P Xg gl1
W: LNgALSI L P EM1201332
t R Cb P GA ov Ewgk hh At Vk TEh
s L: jl Db P 11XB1. 201

Analytical Results

hmf ,M7tLyx: ROS7			Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
			Client sampling date / time	1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^0P4B: ^olynublewr Droc wtib Hydrobwrgona +Aontinued								
BenxoVgZ& BenxoVkZfluorwnthene	203,66,2g20X,0- ,6	1	n e/Ne	<1	<1	<1	,,,,	,,,,
PT12+Gic ethylgenxVwZwnthrwbene	3X,6X,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
BenxoVwZpyrene	30,. 2,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
6+Methylbholwnthrene	3B,46,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
SndenoV12T6TodZpyrene	16. ,. 6,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
GigenxVwThZwnthrwbene	3. ,X0,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
BenxoVsThTZperylene	161,24,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^gRuc of ^DHa	,,,,	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4A: ^hthwlwte Eatera								
Gic ethyl phthwlwte	1. 1,11,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Giethyl phthwlwte	- 4,BB,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gi+n+gutyl phthwlwte	- 4,X4,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Butyl genxyl phthwlwte	- 3,B- ,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
giaV2+ethylhe/ ylZphthwlwte	11X,- 1,X	0I3	n e/Ne	<3I0	<3I0	<3I0	,,,,	,,,,
Gi+n+obtylphthwlwte	11X,- 4,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4G:) itroawc inea								
) +) itroaoc ethylethylwc ine	10363,63,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroadiethylwc ine	33,1- ,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroapyrrolidine	6. 0,33,2	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
) +) itroaoc orpholine	36,- 6,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroadi+n+propylwc ine	B21,B4,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroapiperidine	100,X3,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroadigutylwc ine	624,1B,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) +) itroadiphenyl & Giphenylwc ine	- B,. 0,Bgg122,. 6,4	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
Methwpyrilene	61,- 0,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4E:) itrowroc wtiba wnd qetonea								
2+^iboline	106,0B,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Dbetophenone	6- ,- B,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
) itrogenxene	6- ,63,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Sophorone	X- ,36,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2T+Ginitrotoluene	B0B,20,2	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
2T3+Ginitrotoluene	121,14,2	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
1+) wphthylwc ine	1. 4,. 2,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+) itroJuinoline+) +o/ ide	3B,3X,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
4+) itro+o+toluidine	66,33,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Dxogenxene	10. ,. . ,.	1	n e/Ne	<1	<1	<1	,,,,	,,,,

s7el P-g gf1
W: LNgALSI L P EM1201332
t RjCb P GAov Ewgk hhAt VkTEh
sL: jl Db P 11XB1. 201

Analytical Results

hmf,M7tLyx: ROS7			Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
			Client sampling date / time	1. ,5Ed,2012gf3P00	1. ,5Ed,2012gf3P00	1. ,5Ed,2012gf3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^0P4E:) itrowroc wtiba wnd qetonea +Aontinued								
1T6T4+Crinitrogenxene	66,. 3,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^henwbetin	B2,44,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Dc inogiphenyl	62,BX,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^entwbhloronitrogenxene	-2,B-,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^ronwc ide	2. 630,3-,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gic ethylwc inowxogenxene	B0,11,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ahlorogenxilwte	310,13,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4F: Hwloethera								
Bia\2+bhloroethylZether	111,44,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Bia\2+bhloroetho/ yZc ethwne	111,61,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Ahlorophenyl phenyl ether	X003,X2,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Broc ophenyl phenyl ether	101,33,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P49 : Ahlorinwted Hydrobwrgona								
1T6+Gibhlorogenxene	341,X ,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T3+Gibhlorogenxene	10B,4B,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2+Gibhlorogenxene	63,30,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
He/ wbhloroethwne	BX,X2,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
1T2T3+Cribhlorogenxene	120,-2,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
He/ wbhloropropylene	1---,X1,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
He/ wbhlorogutwdiene	-X,B-,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
He/ wbhlorobyblopentwdiene	XX,4X,4	0I3	n e/Ne	<2I3	<2I3	<2I3	,,,,	,,,,
^entwbhlorogenxene	B0-,6. ,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
He/ wbhlorogenxene VHABZ	11-,X4,1	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
E^0P4H: Dnilinea wnd Benxidinea								
Dniline	B2,3. ,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+Ahlorowniline	10B,4X,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
2+) itrowniline	--,X4,4	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
6+) itrowniline	66,06,2	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
Gigenxofurwn	1. 2,B4,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3+) itrowniline	100,01,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Awrgwxole	-B,X4,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
6T6z+Gibhlorogenxidine	61,64,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0P4S Orswnobhlorine ^eatibidea								
wlphw+BHA	. 16,-4,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
getw+BHA	. 16,-3,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
swc c w+BHA	3-,-6,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
deltw+BHA	. 16,-B,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Heptwbhlor	XB,44,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,

s 7el
W: LNgALSI L
t RjCb
sL: jl Db

P 6g gl1
P EM1201332
P GA ov Ewgk hh At Vk TEh
P 11XB1. 201

Analytical Results

hmf,M7tLyx: ROS7		Client sample ID	D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
		Client sampling date / time	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	1. ,5Ed,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^0P4S Orswnobhlorine ^eatibidea +Aontinued								
Dldrin	. 06,00,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Heptwbhlor epo/ ide	1024,3X,.	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
wlphwtEndoaulfwn	636,6- ,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3TBz+GGE	X2,33,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gieldrin	B0,3X,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Endrin	X2,20,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
getwtEndoaulfwn	. . 21. ,B3,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3TBz+GGG	X2,34,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Endoaulfwn aulfwte	10. 1,0X,-	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
3TBz+GGC	30,26,.	0I3	n e/Ne	<1I0	<1I0	<1I0	,,,,	,,,,
E^0P4X: Orswnophoaphorua ^eatibidea								
Gibhlor, oa	B2,X. ,X	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Gic ethowte	B0,31,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Giwxinon	. . . ,41,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ahlorpyrifoa+c ethyl	336- ,1. ,0	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Mwlwthion	121,X3,3	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Fenthion	33,. - ,6	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ahlorpyrifoa	2621,- - ,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^iric phoa+ethyl	2. 303,41,1	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ahlorfen, inphoa	4X0,60,B	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
^rothiofoa	. 4B4. ,4B,4	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
Ethion	3B. ,12,2	0I3	n e/Ne	<0I3	<0I3	<0I3	,,,,	,,,,
E^0-0N0P1: Cotwl ^etroleuc Hydrobwrgona								
A. +A8 Frwbtion	,,,,	10	n e/Ne	<10	<10	<10	,,,,	,,,,
A10 +A13 Frwbtion	,,,,	30	n e/Ne	<30	<30	<30	,,,,	,,,,
A14 +A2- Frwbtion	,,,,	100	n e/Ne	<100	**. 00**	<100	,,,,	,,,,
A28 +A6. Frwbtion	,,,,	100	n e/Ne	<100	<100	<100	,,,,	,,,,
^gA10 +A6. Frwbtion Vauc Z	,,,,	30	n e/Ne	<30	**. 00**	<30	,,,,	,,,,
E^0-0N0P1: Cotwl Lebo, erwgle Hydrobwrgona +) E^M 2010 Grwft								
A. +A10 Frwbtion	,,,,	10	n e/Ne	<10	<10	<10	,,,,	,,,,
>A10 +A1. Frwbtion	,,,,	30	n e/Ne	<30	**120**	<30	,,,,	,,,,
>A1. +A63 Frwbtion	,,,,	100	n e/Ne	<100	**. 10**	<100	,,,,	,,,,
>A63 +A30 Frwbtion	,,,,	100	n e/Ne	<100	<100	<100	,,,,	,,,,
^g>A10 +A30 Frwbtion Vauc Z	,,,,	30	n e/Ne	<30	**P60**	<30	,,,,	,,,,
E^21. : ^erbhlorwte gy 7AMR								
^erbhlorwte	XB01,60,.	10I0	%e/Ne	<10I0	<10I0	<10I0	,,,,	,,,,
E^261: ^erfluoroobtyl Dbida wnd RulfonwteaT								

s 7el P 10g gl1
W: LNgALSI L P EM1201332
t fFy Cb P GA ov Ewgk hh At Vk TEh
s L: jl Db P 11XB1. 201

Analytical Results

hmf ,M7tLyx: ROS7		Client sample ID		D. ^C. N2002	D. ^C- N2002	D. ^C10N2001	,,,,	,,,,
		Client sampling date / time		1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	1. ,5Ed ,2012gl3P00	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM1201442+002	EM1201442+00-	EM1201442+011	+++	+++
E^261: ^erfluoroobtyl Dbida wnd RulfonwteaT+Aontinued								
^FOR	1XB. ,2. ,1	0I0003	n e/Ne	<0I0003	0T000-	0T0016	,,,,	,,,,
^FOD	. . 3,BX,1	0I0003	n e/Ne	<0I0003	<0I0003	<0I0003	,,,,	,,,,
. :2 Fluoroteloc er Rulfonwte V :2 FtRZ	2XB16,6X,2	0I003	n e/Ne	<0I003	<0I003	<0I003	,,,,	,,,,
E^0. . R: ^AB Rurroswte								
Gebwbhlorogiphenyl	2031,24,.	0I1	µ	P1T6	P1T6	. 8T1	,,,,	,,,,
E^0. -R: Orswnobhlorine ^eatibide Rurroswte								
Gigroc o+GGE	21B33,X. ,2	0I1	µ	81T2	-2T0	-2T3	,,,,	,,,,
E^0. -C: Orswnophoaphorua ^eatibide Rurroswte								
GEF	X- ,4- ,-	0I1	µ	- -T0	84T1	122	,,,,	,,,,
E^0P3R: KOA Rurroswtea								
1T2+Gibhloroethwne+G3	1X0B0,0X,0	0I1	µ	-0T3	80T2	-3T1	,,,,	,,,,
Coluene+G-	20. X,2B,3	0I1	µ	-8T3	86T3	80T.	,,,,	,,,,
3+Broc ofluorogenxene	4B0,00,4	0I1	µ	-. T2	81TP	80T2	,,,,	,,,,
E^0P4R: Dbid E/ trwbtwgle Rurroswtea								
2+Fluorophenol	. BX,12,4	0I1	µ	88T0	10.	80T3	,,,,	,,,,
^henol+d.	1. 12X,- - ,.	0I1	µ	8- T	84TP	-1T0	,,,,	,,,,
2+Ahlorophenol+G3	6. 631,X. ,B	0I1	µ	- -T6	-3T3	P4T.	,,,,	,,,,
2T3T. +Crigroc ophenol	11- ,X6,B	0I1	µ	PPT0	-. T-	-0T3	,,,,	,,,,
E^0P4C: BwaeN eutrwl E/ trwbtwgle Rurroswtea								
) itrogenxene+G4	41B3,B0,0	0I1	µ	8. T4	-8T0	-3T1	,,,,	,,,,
1T2+Gibhlorogenxene+G3	2166,B6,1	0I1	µ	P4T3	P2T0	P3T3	,,,,	,,,,
2+Fluorogiphenyl	. 21,B0,-	0I1	µ	-. T6	-4T3	PPT6	,,,,	,,,,
Dnthrwbene+d10	1X16,0B,-	0I1	µ	8PTP	-6T4	82T6	,,,,	,,,,
3+Cerphenyl+d13	1X1- ,31,0	0I1	µ	86TP	-1T3	-4T3	,,,,	,,,,
E^0-0R: C^HVKZNBCE` Rurroswtea								
1T2+Gibhloroethwne+G3	1X0B0,0X,0	0I1	µ	P8T2	- -T2	-6T1	,,,,	,,,,
Coluene+G-	20. X,2B,3	0I1	µ	-3T3	- -T	-. T1	,,,,	,,,,
3+Broc ofluorogenxene	4B0,00,4	0I1	µ	80T3	81T-	- -T3	,,,,	,,,,

Surrogate Control Limits

hmf ,M7tlyx: ROS7		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
E^0. . R: ^AB Rurroswte			
Gebwbhlorogiphenyl	2031,24,.	. .	1. .
E^0. -R: Orswnobhlorine ^eatibide Rurroswte			
Gigroc o+GGE	21B33,X ,2	26I-	14B
E^0. -C: Orswnophoaphorua ^eatibide Rurroswte			
GEF	X- ,4- ,-	2. IX	14B
E^0P3R: KOA Rurroswtea			
1T2+Gibhloroethwne+G3	1X0B0,0X,0	B2	122
Coluene+G-	20. X,2B,3	B4	120
3+Broc ofluorogenxene	4B0,00,4	BB	124
E^0P4R: Dbid E/ trwbtwgle Rurroswtea			
2+Fluorophenol	. BX,12,4	14	12B
^henol+d.	1. 12X,- - ,.	12I2	122
2+Ahlorophenol+G3	6. 631,X ,B	14I2	12X
2T3T +Crigroc ophenol	11- ,X6,B	12I4	1. .
E^0P4C: BwaeN eutrwl E/ trwbtwgle Rurroswtea			
) itrogenxene+G4	41B3,B0,0	12I4	12-
1T2+Gibhlorogenxene+G3	2166,B6,1	11IB	10-
2+Fluorogiphenyl	. 21,B0,-	1-IX	12X
Dnthrwbene+d10	1X16,0B,-	2-I3	142
3+Cerphenyl+d13	1X1- ,31,0	23I-	1. -
E^0-0R: C^HVKZNBCE` Rurroswtea			
1T2+Gibhloroethwne+G3	1X0B0,0X,0	3X	126
Coluene+G-	20. X,2B,3	3-	120
3+Broc ofluorogenxene	4B0,00,4	3B	12B

QUALITY CONTROL REPORT

Work Order	: **EM1201552**	Page	: 1 of 3L
i lneEy	: **GOLDER ASSOCIATES**	bar otayotC	: v EmtoED eEyal MmmsroE u elr octEe
i oEyaNy	: h raDk u N otDaNS	i oEyaNy	: AaDaEyka ADnyk
dCCtess	: P B XB6 L079 XcrnOEg 7, 570-588 AwaE Ay, RmNkDoEO, Vli . 2131 HdWTHBRh WvAT Vli , dUATRdbld 2133	dCCtess	: 4 Wesyall ROAptrEgmale Vli dcsytalra 2171
v-Darl	: EDNNotDaNS@golCet.NoD.ac	v-Darl	: saDaEyka.sDnyk@alsglor al.NoD
TelepkoEe	: +L1 02 88L3 2500	TelepkoEe	: +L1-2-8549 9L44
FaNsrDrne	: +L1 02 88L3 2501	FaNsrDrne	: +L1-2-8549 9L01
PtojeNy	: 117L12301	Qi bernel	: h v Pu 1999 ANkeOcle X(2) aEOdbA Qi A2 teqcrneDeEy
Anye	: F - Vli		
i -B-i EcDr et	: 81LL	Maye AaDples ReNernreO	: 14-Fv X-3013
AaDplet	: Ru	Issce Maye	: 38-Fv X-3013
BtOet EcDr et	: Kd-u v bX 223509		
		ho. of saDples teNernreO	: 13
Qcoye EcDr et	: u v G54G3	ho. of saDples aEalOseO	: 2

Tkrns tepoty scpetseOes aEC ptemrocs tepoty(s) wnyk ykrs tefeteENe. Resclys applC yo yke saDple(s) as scr DnyeO. dll pages of ykrs tepoty kame reeE NkeNSeO aEO apptorneO fot telease.

Tkrs QcalnyCi oEytol RepotyNoEyarnEs yke followrnEg rnEfotDayroE:

- bar otayotCMcplrNaye (MUP) Repoty/ Relayrne PetNeEyage MrrffeteENe (RPM) aEOdNNepyaENe brDrys
- u eykoOXlaES (u X) aEObar otayotCi oEytol AprSe (bi A) Repoty/ ReNbrnetCaEOdNNepyaENe brDrys
- u aytn AprSe (u A) Repoty/ ReNbrnetCaEOdNNepyaENe brDrys

NATA
WORLD RECOGNISED
ACCREDITATION

hdTd dNNteOrneOfobar otayotC835

dNNteOrneOfot NoDplraENe wnyk
IABCBvi 17035.

Signatories

Tkrs CoNcDeEy kas reeE eleNytoErNallC srgEeO rC yke acykotrxeO srgEayotres rEOrNayeO relow. vleNytoErN srgErEg kas reeE NattrneOocyrnE NoDplraENe wnyk ptoNeOctes speNfrreOrE 31 i FR Paty11.

Signatories	*Position*	*Accreditation Category*
vtrNi kac	u eyals TeaD beaOet	u elr octEe lEotgaErNs
haENCWaEg	AeErot AeDrrolayne lEsytcDeEyi keDrsy	u elr octEe lEotgaErNs
haENCWaEg	AeErot AeDrrolayne lEsytcDeEyi keDrsy	u elr octEe BtgaErNs
PkalaSlEykaSsoEe	bar otayotCu aEaget - BtgaErNs	ACCEeCBtgaErNs
Vatska Ho WrEg	hoE-u eyals TeaD beaOet	u elr octEe lEotgaErNs

General Comments

Tke aEalOyNal ptoNeOctes cseO r C yke v EmtioEDeEyal MmmsmoE kame reeE OemelopeO ftoD esyarlnskeO nEyetEaymoEallC teNogEnxeO ptoNeOctes scNk as ykose pcrlnskeO r C yke UAvPd, dPHd, dA aEO h v Pu. lE kocse OemelopeOptoNeOctes ate eDploCeOnE yke arseENe of CoNcDeEyeOsyaECatOs ot r CNmeEyteqcesy.

Wkete Domsycte OeyetDnEaymoE kas reeE petfotDeO, tesclys ate tepotyeOoE a OtCwemgkyr asms.

Wkete a tepotyeOless ykaE (z) tesclyns kmgket ykaE yke bBR, ykns DaCr e Oce yo ptnDatCsaDple e; ytaNyGmgesyaye OncymoE aEOGot nEscffrNmeEysaDple fot aEalOsms.

Wkete yke bBR of a tepotyeOtesclyOnffets ftoD syaECatObBR, ykns DaCr e Oce yo kmgk Domsycte NoEyeEy, nEscffrNmeEysaDple (teOcNeOwemgkyeDploCeO) ot Daytn, nEyetfeteENe.

#eC: dEoEODocs < Refets yo saDples wknNk ate EoyspeNfrNallCpatyofykns wotSotOet r cyfotDeOpatyofyke Qi ptoNess loy
i dA hcDr et < i dA tegmsytCEcDr et ftoD Oayar ase DarEyanEeOr Ci keDrNal dr sytaNys AetmnNes. Tke i keDrNal dr sytaNys AetmnNe rs a OmmsmoE of yke dDetrNaE i keDrNal AoNmeyC.
bBR < brnDnyof tepotyrEg
RPM < Relaymne PetNeEyage MnffeteENe
= < lEOrNayes fameOQi

Laboratory Duplicate (DUP) Report

Tke qcalnyC NoEytol yetD bar otayotC McplnNaye tefets yo a taEOoDIC seleNyeO nEytalar otayotC splny. bar otayotC OcplnNayes ptomOe nEfotDayroE tegatOnEg DeykoO pteNsroE aEO saDple keyetogeEenyC. Tke petDnyeO taEges fot yke Relayme PetNeEy MemayroE (RPM) of bar otayotC McplnNayes ate speNfneO nE dbA u eykoO QWI-v h Q28 aEO ate CepeEOeEy oE yke DagEnycOe of tesclys nE NoDpatnsoE yo yke lemel of tepotynEg: Rescly z 10 ynDes bBR:- h o brnDny/ Resclyr eyweeE 10 aEO 30 ynDes bBR:- 0% - 50%/ Rescly> 30 ynDes bBR:- 0% - 30%.

Acr-u ayin : **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: 2171372)									
v u 130154L-037	dEoECDocs	v d055-102: u onsycte i oEyeEy (OcneO @ 102°i)	----	1.0	%	13.8	12.4	4.L	0% - 50%
v u 130154L-047	dEoECDocs	v d055-102: u onsycte i oEyeEy (OcneO @ 102°i)	----	1.0	%	35.1	35.4	1.3	0% - 30%
EG005T: Total Metals by ICP-AES (QC Lot: 2181305)									
v u 1301441-001	dEoECDocs	v K005T: i aCDncD	7440-42-9	1	DgCSg	z1	z1	0.0	h o bnDny
		v K005T: i ktoDncD	7440-47-2	3	DgCSg	4L	41	11.7	0% - 30%
		v K005T: h nNSel	7440-03-0	3	DgCSg	3L	34	L.5	0% - 50%
		v K005T: dtseEnN	7440-28-3	5	DgCSg	7	z5	37.L	h o bnDny
		v K005T: i oppet	7440-50-8	5	DgCSg	15	14	0.0	h o bnDny
		v K005T: beaO	7429-93-1	5	DgCSg	20	21	4.3	h o bnDny
		v K005T: ZnEN	7440-LL-L	5	DgCSg	91	74	30.2	0% - 50%
v u 1301553-008	dLPT8G3003	v K005T: i aCDncD	7440-42-9	1	DgCSg	z1	z1	0.0	h o bnDny
		v K005T: i ktoDncD	7440-47-2	3	DgCSg	L2	59	5.L	0% - 30%
		v K005T: h nNSel	7440-03-0	3	DgCSg	32	34	L.0	0% - 50%
		v K005T: dtseEnN	7440-28-3	5	DgCSg	z5	z5	0.0	h o bnDny
		v K005T: i oppet	7440-50-8	5	DgCSg	8	9	0.0	h o bnDny
		v K005T: beaO	7429-93-1	5	DgCSg	18	10	5L.5	h o bnDny
		v K005T: ZnEN	7440-LL-L	5	DgCSg	10	10	0.0	h o bnDny
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 2181306)									
v u 1301441-001	dEoECDocs	v K025T: u etNctC	7429-97-L	0.1	DgCSg	z0.1	z0.1	0.0	h o bnDny
v u 1301553-008	dLPT8G3003	v K025T: u etNctC	7429-97-L	0.1	DgCSg	0.1	0.1	0.0	h o bnDny
EP004: Organic Matter (QC Lot: 2171889)									
v u 1301497-001	dEoECDocs	v P004: Toyal BtgaEnNi atr oE	----	0.5	%	3.1	3.1	0.0	h o bnDny
v u 1301575-008	dEoECDocs	v P004: Toyal BtgaEnNi atr oE	----	0.5	%	0.7	0.L	0.0	h o bnDny
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 2171394)									
v u 1301441-001	dEoECDocs	v P0LL: Toyal PolCNklotnEayeOr npkeECls	----	0.10	DgCSg	z0.50	z0.50	0.0	h o bnDny
v u 1301553-011	dLPT10G3001	v P0LL: Toyal PolCNklotnEayeOr npkeECls	----	0.10	DgCSg	z0.10	z0.10	0.0	h o bnDny
EP068A: Organochlorine Pesticides (OC) (QC Lot: 2171393)									
v u 1301441-001	dEoECDocs	v P0L8: alpka-XHi	219-84-L	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: r eya-XHi	219-85-7	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: gaDDa-XHi	58-89-9	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: Oelya-XHi	219-8L-8	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: HepyaNklot	7L-44-8	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: dlOtnE	209-00-3	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny
		v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgCSg	z0.35	z0.35	0.0	h o bnDny

Acr-u ayt n : **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: 2171393) - continued									
v u 1301441-001	d EoECD ocs	v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: Nns-i klotOaEe	5102-71-9	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: MrelOtnE	L0-57-1	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: v EOtnE	73-30-8	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: v EOtnE alOekOOe	7431-92-4	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: v EOtnE SeyoEe	52494-70-5	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z1.0	z1.0	0.0	h o brDry
		v P0L8: u eyko; ONklot	73-42-5	0.3	DgGSg	z1.0	z1.0	0.0	h o brDry
v u 1301553-011	d LPT10G3001	v P0L8: alpka-XHi	219-84-L	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: r eya-XHi	219-85-7	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: gaD D a-XHi	58-89-9	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: Oelya-XHi	219-8L-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: HepyaNklot	7L-44-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: dlOtnE	209-00-3	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: Nns-i klotOaEe	5102-71-9	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: MrelOtnE	L0-57-1	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: v EOtnE	73-30-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: v EOtnE alOekOOe	7431-92-4	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: v EOtnE SeyoEe	52494-70-5	0.05	DgGSg	z0.05	z0.05	0.0	h o brDry
		v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z0.3	z0.3	0.0	h o brDry
		v P0L8: u eyko; ONklot	73-42-5	0.3	DgGSg	z0.3	z0.3	0.0	h o brDry
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 2171393)									
v u 1301441-001	d EoECD ocs	v P0L8: MrNklotmos	L3-72-7	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: MeD eyoE-A-D eykOl	919-8L-8	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: MrD eykoaye	L0-51-5	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry
		v P0L8: MraxmEoE	222-41-5	0.05	DgGSg	z0.35	z0.35	0.0	h o brDry

Acr-u ayt,n : **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 2171393) - continued									
v u 1301441-001	d EoECDocs	v P0L8: i klotpCrnfos-DeykCl	5598-12-0	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: u alaykroE	131-75-5	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: FeEykroE	55-28-9	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: i klotpCrnfos	3931-88-3	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: PrnnDpkos-eykCl	32505-41-1	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: i klotfeEmEpkos	470-90-L	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: FeEaDrpkos	33334-93-L	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: vykroE	5L2-13-3	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: dxrnEpkos u eykCl	8L-50-0	0.05	DgCSg	z0.35	z0.35	0.0	h o brnDry
		v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgCSg	z1.0	z1.0	0.0	h o brnDry
		v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgCSg	z1.0	z1.0	0.0	h o brnDry
		v P0L8: PataykroE	5L-28-3	0.3	DgCSg	z1.0	z1.0	0.0	h o brnDry
v u 1301553-011	d LPT10G3001	v P0L8: MrNklotnos	L3-72-7	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: MeDeyoE-A-DeykCl	919-8L-8	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: MrDeykoaye	L0-51-5	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: MraxrnEoE	222-41-5	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: i klotpCrnfos-DeykCl	5598-12-0	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: u alaykroE	131-75-5	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: FeEykroE	55-28-9	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: i klotpCrnfos	3931-88-3	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: PrnnDpkos-eykCl	32505-41-1	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: i klotfeEmEpkos	470-90-L	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: FeEaDrpkos	33334-93-L	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: vykroE	5L2-13-3	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: dxrnEpkos u eykCl	8L-50-0	0.05	DgCSg	z0.05	z0.05	0.0	h o brnDry
		v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgCSg	z0.3	z0.3	0.0	h o brnDry
		v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgCSg	z0.3	z0.3	0.0	h o brnDry
		v P0L8: PataykroE	5L-28-3	0.3	DgCSg	z0.3	z0.3	0.0	h o brnDry
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: XeExeEe	71-42-3	0.3	DgCSg	z0.3	z0.3	0.0	h o brnDry
		v P074: TolceEe	108-88-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brnDry
		v P074: vykCl reExeEe	100-41-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brnDry
		v P074: Deya- & pata-6CleEe	108-28-2 10L-43-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brnDry

Acr-u ayt,n : **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 2171236) - continued									
v u 1301550-001	d EoECDocs	v P074: AyCteEe	100-43-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: otyko-6CleEe	95-47-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: IsoptopCr eExeEe	98-83-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: E-PtopCr eExeEe	102-L5-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.2.5-TtnDeykCr eExeEe	108-L7-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: seN-XcyCr eExeEe	125-98-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.4-TtnDeykCr eExeEe	95-L2-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: yety-XcyCr eExeEe	98-0L-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: p-IsoptopCtyolceEe	99-87-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: E-XcyCr eExeEe	104-51-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP074B: Oxygenated Compounds (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: VnECl dNeyaye	108-05-4	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: 3-XcyaEoEe (u v #)	78-92-2	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: 4-u eykCl-3-peEyaEoEe (u lX#)	108-10-1	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: 3-He; aEoEe (u X#)	591-78-L	5	DgCSg	z5	z5	0.0	h o brDry
EP074C: Sulfonated Compounds (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: i atr oE CtsclfnCe	75-15-0	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP074D: Fumigants (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: 3.3-MrNklotoptopaEe	594-30-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrNklotoptopaEe	78-87-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nts-1.2-MrNklotoptopCleEe	100L1-01-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: ytaEs-1.2-MrNklotoptopCleEe	100L1-03-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-Mrr toDoeykaEe (v MX)	10L-92-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP074E: Halogenated Aliphatic Compounds (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: 1.1-MrNklotoeykeEe	75-25-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: loCloDeykaEe	74-88-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: ytaEs-1.3-MrNklotoeykeEe	15L-L0-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1-MrNklotoeykaEe	75-24-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nts-1.3-MrNklotoeykeEe	15L-59-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.1-TtrNklotoeykaEe	71-55-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1-MrNklotoptopCleEe	5L2-58-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: i atr oE TeytaNklotrnCe	5L-32-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrNklotoeykaEe	107-0L-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: TtrNklotoeykeEe	79-01-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: Mrr toDoDeykaEe	74-95-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.3-TtrNklotoeykaEe	79-00-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.2-MrNklotoptopaEe	143-38-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: TeytaNklotoeykeEe	137-18-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.1.3-TeytaNklotoeykaEe	L20-30-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry

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Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP074E: Halogenated Aliphatic Compounds (QC Lot: 2171236) - continued									
v u 1301550-001	d EoECDocs	v P074: ytaEs-1.4-MrNkloto-3-r cyeEe	110-57-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: Nvs-1.4-MrNkloto-3-r cyeEe	147L-11-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.1.3.3-TeytaNklotoeykaEe	79-24-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.2-TtrNklotoptopaEe	9L-18-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: PeEyaNklotoeykaEe	7L-01-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3-MrrtoDo-2-Nklotoptopa Ee	9L-13-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: MrNklotoOflcotoDeykaEe	75-71-8	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: i klotoDeykaEe	74-87-2	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: VrEC NklotrOe	75-01-4	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: XtoDoDeykaEe	74-82-9	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: i klotoeykaEe	75-00-2	5	DgCSg	z5	z5	0.0	h o brDry
		v P074: TtrNklotoflcotoDeykaEe	75-L9-4	5	DgCSg	z5	z5	0.0	h o brDry
EP074F: Halogenated Aromatic Compounds (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: i klotor eExeEe	108-90-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDor eExeEe	108-8L-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 3-i klotoyolceEe	95-49-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 4-i klotoyolceEe	10L-42-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: 1.3.2-TtrNklotor eExeEe	87-L1-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP074G: Trihalomethanes (QC Lot: 2171236)									
v u 1301550-001	d EoECDocs	v P074: i klotofotD	L7-LL-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDoONklotoDeykaEe	75-37-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: MrrtoDoNklotoDeykaEe	134-48-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P074: XtoDofotD	75-35-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP075A: Phenolic Compounds (QC Lot: 2171396)									
v u 1301441-001	d EoECDocs	v P075: PkeEol	108-95-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotopkeEol	95-57-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykCpkeEol	95-48-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2- & 4-u eykCpkeEol	1219-77-2	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: 3-h nytopkeEol	88-75-5	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4-MrDeykCpkeEol	105-L7-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i kloto-2-u eykCpkeEol	59-50-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.L-TtrNklotopkeEol	88-0L-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3.4.5-TtrNklotopkeEol	95-95-4	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: PeEyaNklotopkeEol	87-8L-5	1	DgCSg	z1	z1	0.0	h o brDry
v u 1301553-011	d LPT10G3001	v P075: PkeEol	108-95-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-i klotopkeEol	95-57-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-u eykCpkeEol	95-48-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayt,n : **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP075A: Phenolic Compounds (QC Lot: 2171396) - continued									
vu 1301553-011	dLPT10G3001	vP075: 2- & 4-u eykClpkeEol	1219-77-2	0.5	DgGSg	z1.0	z1.0	0.0	hobrDry
		vP075: 3-hmytopkeEol	88-75-5	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3.4-MrDeykClpkeEol	105-L7-9	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 4-i kloto-2-u eykClpkeEol	59-50-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3.4.L-TtrNklotopkeEol	88-0L-3	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3.4.5-TtrNklotopkeEol	95-95-4	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: PeEyaNklotopkeEol	87-8L-5	1	DgGSg	z1	z1	0.0	hobrDry
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 2171396)									
vu 1301441-001	dEoECDocs	vP075: hapkykaleEe	91-30-2	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3-u eykClEapkykaleEe	91-57-L	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dNeEapkykCleEe	308-9L-8	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dNeEapkykeEe	82-23-9	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: FlcoteEe	8L-72-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: PkeEaEykteEe	85-01-8	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dEyktaNeEe	130-13-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: FlcotaEykeEe	30L-44-0	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: PCteEe	139-00-0	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: h-3-FlcoteECldNeyaDrCe	52-9L-2	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: i ktCseEe	318-01-9	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 7.13-MrDeykClreEx(a)aEyktaNeEe	57-97-L	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: XeExo(a)pCteEe	50-23-8	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 2-u eykCNkolaEykteEe	5L-49-5	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: IECeEo(1.3.2.NO)pCteEe	192-29-5	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: MrreEx(a.k)aEyktaNeEe	52-70-2	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: XeExo(g.k.r)petCteEe	191-34-3	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: AcD of PdHs	---	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgGSg	z1	z1	0.0	hobrDry
vu 1301553-011	dLPT10G3001	vP075: hapkykaleEe	91-30-2	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3-u eykClEapkykaleEe	91-57-L	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dNeEapkykCleEe	308-9L-8	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dNeEapkykeEe	82-23-9	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: FlcoteEe	8L-72-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: PkeEaEykteEe	85-01-8	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry
		vP075: dEyktaNeEe	130-13-7	0.5	DgGSg	z0.5	z0.5	0.0	hobrDry

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				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP075B: Polynuclear Aromatic Hydrocarbons (QC Lot: 2171396) - continued									
v u 1301553-011	dLPT10G3001	v P075: FlcotaEykeEe	30L-44-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: PCteEe	139-00-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -3-FlcoteECl dNeyaDrCe	52-9L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: i ktCseEe	318-01-9	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 7.13-MrDeykCr eEx(a)aEyktaNeEe	57-97-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(a)pCteEe	50-23-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2-u eykCNkolaEykteEe	5L-49-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: IECeEo(1.3.2.NO)pCteEe	192-29-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MrreEx(a.k)aEyktaNeEe	52-70-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(g.k.r)petCeEe	191-34-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: AcD of PdHs	----	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgGSg	z1	z1	0.0	h o brDry
EP075C: Phthalate Esters (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: MrDeykCl pkykalaye	121-11-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MreykCl pkykalaye	84-LL-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MnE-r cyCl pkykalaye	84-74-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XcyCl r eExCl pkykalaye	85-L8-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: r ns(3-eykCke; Cl) pkykalaye	117-81-7	0.5	DgGSg	z5.0	z5.0	0.0	h o brDry
		v P075: MnE-oNyCpkykalaye	117-84-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	dLPT10G3001	v P075: MrDeykCl pkykalaye	121-11-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MreykCl pkykalaye	84-LL-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: MnE-r cyCl pkykalaye	84-74-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: XcyCl r eExCl pkykalaye	85-L8-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: r ns(3-eykCke; Cl) pkykalaye	117-81-7	0.5	DgGSg	z5.0	z5.0	0.0	h o brDry
		v P075: MnE-oNyCpkykalaye	117-84-0	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
EP075D: Nitrosamines (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: h -h nytosoDeykCleykClaDrnEe	10595-95-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosoCreykClaDrnEe	55-18-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosopCttolrnCnEe	920-55-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brDry
		v P075: h -h nytosoDotpkolrnEe	59-89-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosoCnE-ptopClaDrnEe	L31-L4-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosoprrpetrCnEe	100-75-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosoCnr cyClaDrnEe	934-1L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
		v P075: h -h nytosoCnpkeECl & MnpkeECIaDrnEe	8L-20-L 133-29-4	0.5	DgGSg	z1.0	z1.0	0.0	h o brDry
		v P075: u eykapCtneEe	91-80-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	dLPT10G3001	v P075: h -h nytosoDeykCleykClaDrnEe	10595-95-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brDry

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Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
EP075D: Nitrosamines (QC Lot: 2171396) - continued									
v u 1301553-011	dLPT10G3001	v P075: h-h nytosoOneykCIaDrnEe	55-18-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h-h nytosopCttolnOnEe	920-55-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: h-h nytosoDotpkolnEe	59-89-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h-h nytosoOnE-ptopCIaDrnEe	L31-L4-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h-h nytosoprnpetnOnEe	100-75-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h-h nytosoOnr cyCIaDrnEe	934-1L-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h-h nytosoOnpkeECI & MnpkeECIaDrnEe	8L-20-L 133-29-4	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: u eykapCtnheEe	91-80-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
EP075E: Nitroaromatics and Ketones (QC Lot: 2171396)									
v u 1301441-001	dEoECIDocs	v P075: 3-PrnNolnEe	109-0L-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: dNeyopkeEoEe	98-8L-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h nytor eExeEe	98-95-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: IsopkotoEe	78-59-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 3.L-MrtEnytoyolceEe	L0L-30-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: 3.4-MrtEnytoyolceEe	131-14-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: 1-h apkykCIaDrnEe	124-23-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 4-h nytoqcrnEolnEe-h -o; nOe	5L-57-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 5-h nyto-o-yolcrnOnEe	99-55-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 1.2.5-TtnEnytor eExeEe	99-25-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: PkeEaNeynE	L3-44-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 4-d DrnEor npkeECI	93-L7-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: PeEyaNklotoEnytor eExeEe	83-L8-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: PtoEaDrnOe	32950-58-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: MrtDeykCIaDrnEoaxor eExeEe	L0-11-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: i klotor eExrnaye	510-15-L	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: dxor eExeEe	102-22-2	1	DgGSg	z1	z1	0.0	h o brnDry
v u 1301553-011	dLPT10G3001	v P075: 3-PrnNolnEe	109-0L-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: dNeyopkeEoEe	98-8L-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: h nytor eExeEe	98-95-2	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: IsopkotoEe	78-59-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 3.L-MrtEnytoyolceEe	L0L-30-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: 3.4-MrtEnytoyolceEe	131-14-3	0.5	DgGSg	z1.0	z1.0	0.0	h o brnDry
		v P075: 1-h apkykCIaDrnEe	124-23-7	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 4-h nytoqcrnEolnEe-h -o; nOe	5L-57-5	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 5-h nyto-o-yolcrnOnEe	99-55-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 1.2.5-TtnEnytor eExeEe	99-25-4	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: PkeEaNeynE	L3-44-3	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: 4-d DrnEor npkeECI	93-L7-1	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry
		v P075: PeEyaNklotoEnytor eExeEe	83-L8-8	0.5	DgGSg	z0.5	z0.5	0.0	h o brnDry

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				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP075E: Nitroaromatics and Ketones (QC Lot: 2171396) - continued									
v u 1301553-011	dLPT10G3001	v P075: PtoEaDnOe	32950-58-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MnDeykOaDnEoaxor eExeEe	L0-11-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotor eExnaye	510-15-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: dxor eExeEe	102-22-2	1	DgGSg	z1	z1	0.0	h o bnDry
EP075F: Haloethers (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: Xns(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Xns(3-Nklotoeyko; O) DeykaEe	111-91-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
v u 1301553-011	dLPT10G3001	v P075: Xns(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Xns(3-Nklotoeyko; O) DeykaEe	111-91-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
EP075G: Chlorinated Hydrocarbons (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: 1.2-MnNklotor eExeEe	541-72-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.4-MnNklotor eExeEe	10L-4L-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.3-MnNklotor eExeEe	95-50-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.3.4-TtnNklotor eExeEe	130-83-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoptopOeEe	1888-71-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotor cyaOneEe	87-L8-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoNONopeEyaOneEe	77-47-4	0.5	DgGSg	z3.5	z3.5	0.0	h o bnDry
		v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
v u 1301553-011	dLPT10G3001	v P075: 1.2-MnNklotor eExeEe	541-72-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.4-MnNklotor eExeEe	10L-4L-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.3-MnNklotor eExeEe	95-50-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 1.3.4-TtnNklotor eExeEe	130-83-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoptopOeEe	1888-71-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotor cyaOneEe	87-L8-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotoNONopeEyaOneEe	77-47-4	0.5	DgGSg	z3.5	z3.5	0.0	h o bnDry
		v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
EP075H: Anilines and Benzidines (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: dEmnEe	L3-52-2	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4-i klotoaEmnEe	10L-47-8	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 3-h nytoaEmnEe	88-74-4	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
		v P075: 2-h nytoaEmnEe	99-09-3	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry

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				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP075H: Anilines and Benzidines (QC Lot: 2171396) - continued									
v u 1301441-001	d EoECDocs	v P075: Mm eExofctaE	123-L4-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-h nytoaEmnEe	100-01-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: i atr axole	8L-74-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2.2`-MnNklotor eExnOnEe	91-94-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
v u 1301553-011	d LPT10G3001	v P075: d EmnEe	L3-52-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-i klotoaEmnEe	10L-47-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 3-h nytoaEmnEe	88-74-4	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: 2-h nytoaEmnEe	99-09-3	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
		v P075: Mm eExofctaE	123-L4-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4-h nytoaEmnEe	100-01-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: i atr axole	8L-74-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 2.2`-MnNklotor eExnOnEe	91-94-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
EP075I: Organochlorine Pesticides (QC Lot: 2171396)									
v u 1301441-001	d EoECDocs	v P075: alpka-XHi	219-84-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-XHi	219-85-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: gaDDa-XHi	58-89-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Oelya-XHi	219-8L-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot	7L-44-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: dlOtnE	209-00-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot epo; nOe	1034-57-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: alpka-v EOosclfaE	959-98-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMv	73-55-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: MnelOtnE	L0-57-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOtnE	73-30-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMM	73-54-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMT	50-39-2	0.5	DgCSg	z1.0	z1.0	0.0	h o brDry
v u 1301553-011	d LPT10G3001	v P075: alpka-XHi	219-84-L	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: r eya-XHi	219-85-7	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: gaDDa-XHi	58-89-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: Oelya-XHi	219-8L-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot	7L-44-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: dlOtnE	209-00-3	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: HepyaNklot epo; nOe	1034-57-2	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: alpka-v EOosclfaE	959-98-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: 4.4`-MMv	73-55-9	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: MnelOtnE	L0-57-1	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry
		v P075: v EOtnE	73-30-8	0.5	DgCSg	z0.5	z0.5	0.0	h o brDry

Acr-u ayt n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP075I: Organochlorine Pesticides (QC Lot: 2171396) - continued									
v u 1301553-011	dLPT10G3001	v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4.4`-MMM	73-54-8	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: 4.4`-MMT	50-39-2	0.5	DgGSg	z1.0	z1.0	0.0	h o bnDry
EP075J: Organophosphorus Pesticides (QC Lot: 2171396)									
v u 1301441-001	dEoECDocs	v P075: MrNklotmos	L3-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MrDeykoaye	L0-51-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MraxrnEoE	222-41-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotpCrnfos-DeykCl	5598-12-0	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: u alaykroE	131-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotpCrnfos	3931-88-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PrnnDpkos-eykCl	32505-41-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotfeEmtEpkos	470-90-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Ptoykrofos	24L42-4L-4	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: vykroE	5L2-13-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
v u 1301553-011	dLPT10G3001	v P075: MrNklotmos	L3-72-7	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MrDeykoaye	L0-51-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: MraxrnEoE	222-41-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotpCrnfos-DeykCl	5598-12-0	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: u alaykroE	131-75-5	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotpCrnfos	3931-88-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: PrnnDpkos-eykCl	32505-41-1	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: i klotfeEmtEpkos	470-90-L	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: Ptoykrofos	24L42-4L-4	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
		v P075: vykroE	5L2-13-3	0.5	DgGSg	z0.5	z0.5	0.0	h o bnDry
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 2171235)									
v u 1301550-001	dEoECDocs	v P080: i L - i 9 FtaNyroE	---	10	DgGSg	z10	z10	0.0	h o bnDry
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 2175834)									
v u 1301497-001	dEoECDocs	v P071: i 15 - i 38 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o bnDry
		v P071: i 39 - i 2L FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o bnDry
		v P071: i 10 - i 14 FtaNyroE	---	50	DgGSg	z50	z50	0.0	h o bnDry
		v P071: i 10 - i 2L FtaNyroE (scD)	---	50	DgGSg	z50	z50	0.0	h o bnDry
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QC Lot: 2171235)									
v u 1301550-001	dEoECDocs	v P080: i L - i 10 FtaNyroE	---	10	DgGSg	z10	z10	0.0	h o bnDry
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QC Lot: 2175834)									
v u 1301497-001	dEoECDocs	v P071: >i 1L - i 24 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o bnDry
		v P071: >i 24 - i 40 FtaNyroE	---	100	DgGSg	z100	z100	0.0	h o bnDry

Acr-u ayt,n : **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QC Lot: 2175834) - continued									
v u 1301497-001	d EoECDocs	v P071: >i 10 - i 1L FtaNymE	---	50	DgGSg	z50	z50	0.0	h o bnDry
		v P071: >i 10 - i 40 FtaNymE (scD)	---	50	DgGSg	z50	z50	0.0	h o bnDry
EP216: Perchlorate by LC/MS (QC Lot: 2175836)									
v u 1301441-001	d EoECDocs	v P31L: PetNklotaye	7L01-90-2	10.0	µgGSg	z10.0	z10.0	0.0	h o bnDry
EP231: Perfluorooctyl Acids and Sulfonates. (QC Lot: 2175573)									
v u 1301441-001	d EoECDocs	v P321: PFBA	17L2-32-1	0.0005	DgGSg	0.387	0.379	2.0	0% - 30%
		v P321: PFBd	225-L7-1	0.0005	DgGSg	0.007L	0.0085	10.9	0% - 50%
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	0.02L	0.039	30.2	h o bnDry
v u 1301575-009	d EoECDocs	v P321: PFBA	17L2-32-1	0.0005	DgGSg	0.000L	0.0007	17.8	h o bnDry
		v P321: PFBd	225-L7-1	0.0005	DgGSg	z0.0005	z0.0005	0.0	h o bnDry
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	z0.005	z0.005	0.0	h o bnDry

Method Blank (MB) and Laboratory Control Spike (LCS) Report

Tke qcalnyC NoEytol yetD u eykoO Gbarotayotc XlaES tefets yo aE aEalOye ftee Daytn yo wknNk all teageEys ate aOOeO nE yke saDe molcDes ot ptopotyroEs as cseO nE syaEOatO saDple ptepatayroE. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot poyeEyral larotayotC NoEyaDnEayroE. Tke qcalnyC NoEytol yetD barotayotC i oEytol AaDple (bi A) tefets yo a NetyfneO tefeteENe Dayetral, ot a SEowE nEyetfeteENe ftee Daytn spnSeO wnyk yatgey aEalOyes. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot DeykoOpteNsnroE aEOaNNctaNCnEOepeEOeEyof saDple Daytn. MOEaDnNReNbrnetCbnDns ate r aseOoE syayrsynNal emalcayroE of ptoNesseObi A.

Acr-u aytn : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EG005T: Total Metals by ICP-AES (QCLot: 2181305)								
v K005T: dtseEnN	7440-28-3	5	DgGSg	z5	12.L DgGSg	98.4	74	123
v K005T: i aCDnrcD	7440-42-9	1	DgGSg	z1	3.8 DgGSg	97.0	71	132
v K005T: i ktoDnrcD	7440-47-2	3	DgGSg	z3	L0.9 DgGSg	10L	72	135
v K005T: i oppet	7440-50-8	5	DgGSg	z5	55.1 DgGSg	103	74	134
v K005T: beaO	7429-93-1	5	DgGSg	z5	54.9 DgGSg	105	74	13L
v K005T: h nNSel	7440-03-0	3	DgGSg	z3	55.1 DgGSg	107	74	138
v K005T: ZnEN	7440-LL-L	5	DgGSg	z5	105 DgGSg	103	74	134
EG035T: Total Recoverable Mercury by FIMS (QCLot: 2181306)								
v K025T: u etNctC	7429-97-L	0.1	DgGSg	z0.1	1.47 DgGSg	105	L4	11L
EP004: Organic Matter (QCLot: 2171889)								
v P004: Toyal BtgaEnNi atroE	----	0.5	%	z0.5	42.5 %	98.0	94	118
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 2171394)								
v P0LL: Toyal PolCNklotnEayeOrnpkeECls	----	0.1	DgGSg	z0.10	1.34 DgGSg	L3.7	55	125
EP068A: Organochlorine Pesticides (OC) (QCLot: 2171393)								
v P0L8: alpka-XHi	219-84-L	0.05	DgGSg	z0.05	0.5 DgGSg	97.1	53	122
v P0L8: He; aNklotor eExeEe (Hi X)	118-74-1	0.05	DgGSg	z0.05	0.5 DgGSg	94.1	50	123
v P0L8: r eya-XHi	219-85-7	0.05	DgGSg	z0.05	0.5 DgGSg	99.2	50	128
v P0L8: gaD Da-XHi	58-89-9	0.05	DgGSg	z0.05	0.5 DgGSg	98.3	54	123
v P0L8: Oelya-XHi	219-8L-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.L	51	122
v P0L8: HepyaNklot	7L-44-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.4	51	124
v P0L8: dlOtnE	209-00-3	0.05	DgGSg	z0.05	0.5 DgGSg	89.1	53	122
v P0L8: HepyaNklot epo; nOe	1034-57-2	0.05	DgGSg	z0.05	0.5 DgGSg	90.8	54	12L
v P0L8: ytaEs-i klotOaEe	5102-74-3	0.05	DgGSg	z0.05	0.5 DgGSg	90.9	52	12L
v P0L8: alpka-v EOosclfaE	959-98-8	0.05	DgGSg	z0.05	0.5 DgGSg	97.2	52	122
v P0L8: Nns-i klotOaEe	5102-71-9	0.05	DgGSg	z0.05	0.5 DgGSg	91.0	53	127
v P0L8: MnelOtnE	L0-57-1	0.05	DgGSg	z0.05	0.5 DgGSg	97.1	49	123
v P0L8: 4.4`-MMv	73-55-9	0.05	DgGSg	z0.05	0.5 DgGSg	90.4	52	124
v P0L8: v EOtnE	73-30-8	0.05	DgGSg	z0.05	0.5 DgGSg	90.3	45	141
v P0L8: r eya-v EOosclfaE	22312-L5-9	0.05	DgGSg	z0.05	0.5 DgGSg	99.3	54	123
v P0L8: 4.4`-MMM	73-54-8	0.05	DgGSg	z0.05	0.5 DgGSg	88.4	53	12L
v P0L8: v EOtnE alOekOOe	7431-92-4	0.05	DgGSg	z0.05	0.5 DgGSg	74.0	49	125
v P0L8: v EOosclfaE sclfaye	1021-07-8	0.05	DgGSg	z0.05	0.5 DgGSg	93.3	49	143
v P0L8: 4.4`-MMT	50-39-2	0.3	DgGSg	z0.3	0.5 DgGSg	92.1	40	14L
v P0L8: v EOtnE SeyoEe	52494-70-5	0.05	DgGSg	z0.05	0.5 DgGSg	93.3	51	127

Acr-u ayt n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
EP068A: Organochlorine Pesticides (OC) (QCLot: 2171393) - continued								
v P0L8: u eyko; ONklot	73-42-5	0.3	DgGSg	z0.3	0.5 DgGSg	97.2	28	149
EP068B: Organophosphorus Pesticides (OP) (QCLot: 2171393)								
v P0L8: MnNklotmos	L3-72-7	0.05	DgGSg	z0.05	0.5 DgGSg	50.1	25	127
v P0L8: MeDeyoE-A-DeykCl	919-8L-8	0.05	DgGSg	z0.05	0.5 DgGSg	73.7	3L.8	140
v P0L8: u oEoNtoyopkos	L932-33-4	0.3	DgGSg	z0.3	0.5 DgGSg	107	10	185
v P0L8: MnDeykoaye	L0-51-5	0.05	DgGSg	z0.05	0.5 DgGSg	99.0	4L	144
v P0L8: MraxrEoE	222-41-5	0.05	DgGSg	z0.05	0.5 DgGSg	88.8	50	124
v P0L8: i klotpCtrfos-DeykCl	5598-12-0	0.05	DgGSg	z0.05	0.5 DgGSg	89.8	53	124
v P0L8: PataykroE-DeykCl	398-00-0	0.3	DgGSg	z0.3	0.5 DgGSg	89.2	50	127
v P0L8: u alaykroE	131-75-5	0.05	DgGSg	z0.05	0.5 DgGSg	91.0	4L	140
v P0L8: FeEykroE	55-28-9	0.05	DgGSg	z0.05	0.5 DgGSg	8L.0	50	124
v P0L8: i klotpCtrfos	3931-88-3	0.05	DgGSg	z0.05	0.5 DgGSg	89.4	53	124
v P0L8: PataykroE	5L-28-3	0.3	DgGSg	z0.3	0.5 DgGSg	89.L	47	129
v P0L8: PrtrDpkos-eykCl	32505-41-1	0.05	DgGSg	z0.05	0.5 DgGSg	89.2	48	127
v P0L8: i klotfeEmtEpkos	470-90-L	0.05	DgGSg	z0.05	0.5 DgGSg	93.1	48	142
v P0L8: XtoDopkos-eykCl	4834-78-L	0.05	DgGSg	z0.05	0.5 DgGSg	90.5	53	12L
v P0L8: FeEaDrpkos	33334-93-L	0.05	DgGSg	z0.05	0.5 DgGSg	78.8	27	12L
v P0L8: Ptoykrofos	24L42-4L-4	0.05	DgGSg	z0.05	0.5 DgGSg	89.2	50	12L
v P0L8: vykroE	5L2-13-3	0.05	DgGSg	z0.05	0.5 DgGSg	94.3	50	12L
v P0L8: i atr opkeEoykroE	78L-19-L	0.05	DgGSg	z0.05	0.5 DgGSg	87.8	47	128
v P0L8: dxrEpkos u eykCl	8L-50-0	0.05	DgGSg	z0.05	0.5 DgGSg	97.7	19.L	170
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 2171236)								
v P074: XeExeEe	71-42-3	0.3	DgGSg	z0.3	1 DgGSg	92.3	75	131
v P074: TolceEe	108-88-2	0.5	DgGSg	z0.5	1 DgGSg	101	7L	134
v P074: vykCr eExeEe	100-41-4	0.5	DgGSg	z0.5	1 DgGSg	95.9	74	118
v P074: Deya- & pata-6CleEe	108-28-2 10L-43-2	0.5	DgGSg	z0.5	3 DgGSg	101	75	131
v P074: AyCleEe	100-43-5	0.5	DgGSg	z0.5	1 DgGSg	L8.L	L4	130
v P074: otyko-6CleEe	95-47-L	0.5	DgGSg	z0.5	1 DgGSg	99.8	77	131
v P074: IsoptopCr eExeEe	98-83-8	0.5	DgGSg	z0.5	1 DgGSg	98.4	74	130
v P074: E-PtopCr eExeEe	102-L5-1	0.5	DgGSg	z0.5	1 DgGSg	8L.5	L5	117
v P074: 1.2.5-TtrDeykCr eExeEe	108-L7-8	0.5	DgGSg	z0.5	1 DgGSg	88.4	L5	117
v P074: seN-XcyCr eExeEe	125-98-8	0.5	DgGSg	z0.5	1 DgGSg	93.3	L7	117
v P074: 1.3.4-TtrDeykCr eExeEe	95-L2-L	0.5	DgGSg	z0.5	1 DgGSg	89.3	LL	117
v P074: yety-XcyCr eExeEe	98-0L-L	0.5	DgGSg	z0.5	1 DgGSg	90.2	L8	11L
v P074: p-IsoptopCtyolceEe	99-87-L	0.5	DgGSg	z0.5	1 DgGSg	93.0	L4	117
v P074: E-XcyCr eExeEe	104-51-8	0.5	DgGSg	z0.5	1 DgGSg	83.0	59	115
EP074B: Oxygenated Compounds (QCLot: 2171236)								
v P074: VrECl dNeyaye	108-05-4	5	DgGSg	z5	10 DgGSg	74.4	40	128

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
EP074B: Oxygenated Compounds (QCLot: 2171236) - continued								
v P074: 3-XcyaEoEe (u v#)	78-92-2	5	DgGSg	z5	10 DgGSg	94.9	L1	142
v P074: 4-u eykCl-3-peEyaEoEe (u lX#)	108-10-1	5	DgGSg	z5	10 DgGSg	85.4	L2	127
v P074: 3-He; aEoEe (u X#)	591-78-L	5	DgGSg	z5	10 DgGSg	94.4	L2	122
EP074C: Sulfonated Compounds (QCLot: 2171236)								
v P074: i atr oE OrsclfnOe	75-15-0	0.5	DgGSg	z0.5	1 DgGSg	L3.7	57	131
EP074D: Fumigants (QCLot: 2171236)								
v P074: 3.3-MrNklotoptopaEe	594-30-7	0.5	DgGSg	z0.5	1 DgGSg	= 140	51	120
v P074: 1.3-MrNklotoptopaEe	78-87-5	0.5	DgGSg	z0.5	1 DgGSg	92.0	72	131
v P074: Nts-1.2-MrNklotoptopOeEe	100L1-01-5	0.5	DgGSg	z0.5	1 DgGSg	75.7	59	109
v P074: ytaEs-1.2-MrNklotoptopOeEe	100L1-03-L	0.5	DgGSg	z0.5	1 DgGSg	L9.5	53	110
v P074: 1.3-MrrtoDoeykaEe (v MX)	10L-92-4	0.5	DgGSg	z0.5	1 DgGSg	100	L8	130
EP074E: Halogenated Aliphatic Compounds (QCLot: 2171236)								
v P074: MrNklotoOrflcotoDeykaEe	75-71-8	5	DgGSg	z5	10 DgGSg	78.1	24	133
v P074: i klotoDeykaEe	74-87-2	5	DgGSg	z5	10 DgGSg	85.1	53	122
v P074: VrECl Nklotr Oe	75-01-4	5	DgGSg	z5	10 DgGSg	87.4	47	122
v P074: XtoDoDeykaEe	74-82-9	5	DgGSg	z5	10 DgGSg	83.L	29	11L
v P074: i klotoeykaEe	75-00-2	5	DgGSg	z5	10 DgGSg	93.8	42	127
v P074: TtrNklotoflcotoDeykaEe	75-L9-4	5	DgGSg	z5	10 DgGSg	97.8	L1	13L
v P074: 1.1-MrNklotoeykeEe	75-25-4	0.5	DgGSg	z0.5	1 DgGSg	LL.2	L3	134
v P074: loCoDeykaEe	74-88-4	0.5	DgGSg	z0.5	1 DgGSg	LL.2	47	11L
v P074: ytaEs-1.3-MrNklotoeykeEe	15L-L0-5	0.5	DgGSg	z0.5	1 DgGSg	8L.2	L9	119
v P074: 1.1-MrNklotoeykaEe	75-24-2	0.5	DgGSg	z0.5	1 DgGSg	89.9	70	130
v P074: Nts-1.3-MrNklotoeykeEe	15L-59-3	0.5	DgGSg	z0.5	1 DgGSg	90.L	73	130
v P074: 1.1.1-TtrNklotoeykaEe	71-55-L	0.5	DgGSg	z0.5	1 DgGSg	83.7	L4	113
v P074: 1.1-MrNklotoptopOeEe	5L2-58-L	0.5	DgGSg	z0.5	1 DgGSg	89.2	71	117
v P074: i atr oE TeytaNklotr Oe	5L-32-5	0.5	DgGSg	z0.5	1 DgGSg	7L.4	51	10L
v P074: 1.3-MrNklotoeykaEe	107-0L-3	0.5	DgGSg	z0.5	1 DgGSg	91.L	70	13L
v P074: TtrNklotoeykeEe	79-01-L	0.5	DgGSg	z0.5	1 DgGSg	91.2	71	130
v P074: MrrtoDoDeykaEe	74-95-2	0.5	DgGSg	z0.5	1 DgGSg	9L.1	70	133
v P074: 1.1.3-TtrNklotoeykaEe	79-00-5	0.5	DgGSg	z0.5	1 DgGSg	108	72	135
v P074: 1.2-MrNklotoptopaEe	143-38-9	0.5	DgGSg	z0.5	1 DgGSg	99.1	75	135
v P074: TeytaNklotoeykeEe	137-18-4	0.5	DgGSg	z0.5	1 DgGSg	101	71	130
v P074: 1.1.1.3-TeytaNklotoeykaEe	L20-30-L	0.5	DgGSg	z0.5	1 DgGSg	91.1	54	10L
v P074: ytaEs-1.4-MrNkloto-3-r cyeEe	110-57-L	0.5	DgGSg	z0.5	1 DgGSg	93.2	4L	113
v P074: Nts-1.4-MrNkloto-3-r cyeEe	147L-11-5	0.5	DgGSg	z0.5	1 DgGSg	114	31.8	117
v P074: 1.1.3.3-TeytaNklotoeykaEe	79-24-5	0.5	DgGSg	z0.5	1 DgGSg	10L	71	121
v P074: 1.3.2-TtrNklotoptopaEe	9L-18-4	0.5	DgGSg	z0.5	1 DgGSg	85.0	70	124
v P074: PeEyaNklotoeykaEe	7L-01-7	0.5	DgGSg	z0.5	1 DgGSg	L8.8	40	94
v P074: 1.3-MrrtoDo-2-Nklotoptopa Ee	9L-13-8	0.5	DgGSg	z0.5	1 DgGSg	84.7	41	112

Acr-u ayt n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
EP074F: Halogenated Aromatic Compounds (QCLot: 2171236)								
v P074: i klotor eExeEe	108-90-7	0.5	DgGSg	z0.5	1 DgGSg	105	78	130
v P074: XtoD or eExeEe	108-8L-1	0.5	DgGSg	z0.5	1 DgGSg	91.1	L8	11L
v P074: 3-i klotoyolceEe	95-49-8	0.5	DgGSg	z0.5	1 DgGSg	93.0	L7	117
v P074: 4-i klotoyolceEe	10L-42-4	0.5	DgGSg	z0.5	1 DgGSg	88.7	L7	115
v P074: 1.3.2-TttNklotor eExeEe	87-L1-L	0.5	DgGSg	z0.5	1 DgGSg	90.3	L0	130
EP074G: Trihalomethanes (QCLot: 2171236)								
v P074: i klotofotD	L7-LL-2	0.5	DgGSg	z0.5	1 DgGSg	90.9	71	131
v P074: XtoDoCtNklotoDeykaEe	75-37-4	0.5	DgGSg	z0.5	1 DgGSg	8L.5	L0	108
v P074: MrtoDoNklotoDeykaEe	134-48-1	0.5	DgGSg	z0.5	1 DgGSg	92.4	48	104
v P074: XtoDofotD	75-35-3	0.5	DgGSg	z0.5	1 DgGSg	88.9	40	10L
EP075A: Phenolic Compounds (QCLot: 2171396)								
v P075: PkeEol	108-95-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	93.5 ----	28 ----	128 ----
v P075: 3-i klotopkeEol	95-57-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	75.2 ----	29 ----	139 ----
v P075: 3-u eykClpkeEol	95-48-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	78.8 ----	22 ----	123 ----
v P075: 2- & 4-u eykClpkeEol	1219-77-2	0.5	DgGSg	z1.0 ----	---- 3.5 DgGSg	---- 93.1	---- 25	---- 121
v P075: 3-h nytopkeEol	88-75-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.0 ----	21 ----	121 ----
v P075: 3.4-MrDeykClpkeEol	105-L7-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	94.9 ----	10 ----	125 ----
v P075: 3.4-MrNklotopkeEol	130-82-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 80.4	---- 25	---- 122
v P075: 3.L-MrNklotopkeEol	87-L5-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.0 ----	2L ----	123 ----
v P075: 4-i kloto-2-u eykClpkeEol	59-50-7	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 93.4	---- 29	---- 142
v P075: 3.4.L-TttNklotopkeEol	88-0L-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 70.9	---- 24	---- 128
v P075: 3.4.5-TttNklotopkeEol	95-95-4	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 108	---- 20.3	---- 143
v P075: PeEyaNklotopkeEol	87-8L-5	1.0	DgGSg	---- z1	3.5 DgGSg ----	88.9 ----	14 ----	12L ----
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 2171396)								
v P075: h apkykaleEe	91-30-2	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 80.2	---- 29	---- 138

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 2171396) - continued								
v P075: 3-u eykCIEapkykaleEe	91-57-L	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 78.2	---- 40	---- 12L
v P075: 3-i klotoEapkykaleEe	91-58-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	L5.1 ----	39.5 ----	127 ----
v P075: dNeEapkykCIeEe	308-9L-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	7L.4 ----	28 ----	128 ----
v P075: dNeEapkykeEe	82-23-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.9 ----	45 ----	122 ----
v P075: FlcoteEe	8L-72-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.0 ----	47 ----	127 ----
v P075: PkeEaEykteEe	85-01-8	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 85.5	---- 45	---- 122
v P075: dEyktaNeEe	130-13-7	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 88.2	---- 44	---- 120
v P075: FlcotaEykeEe	30L-44-0	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 91.5	---- 4L	---- 128
v P075: PCIeEe	139-00-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	8L.2 ----	42 ----	145 ----
v P075: h-3-FlcoteECI dNeyaDnCIe	52-9L-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	90.5 ----	42 ----	142 ----
v P075: XeEx(a)aEyktaNeEe	5L-55-2	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 82.5	---- 42	---- 129
v P075: i ktCseEe	318-01-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	89.7 ----	43 ----	140 ----
v P075: XeExo(r) & XeExo(S)flcotaEykeEe	305-99-3 307-08-9	1	DgGSg	---- z1	5 DgGSg ----	90.3 ----	42 ----	129 ----
v P075: 7.13-MnDeykCIr eEx(a)aEyktaNeEe	57-97-L	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 87.2	---- 40	---- 154
v P075: XeExo(a)pCIeEe	50-23-8	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 87.L	---- 28	---- 128
v P075: 2-u eykCINkolaEykteEe	5L-49-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.L ----	4L ----	1L3 ----
v P075: IECeEo(1.3.2.NO)pCIeEe	192-29-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	112 ----	49 ----	159 ----
v P075: MrreEx(a.k)aEyktaNeEe	52-70-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	108 ----	49 ----	157 ----
v P075: XeExo(g.k.n)petCIeEe	191-34-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 118	---- 48	---- 158
v P075: AcD of PdHs	----	0.5	DgGSg	z0.5	----	----	----	----
EP075C: Phthalate Esters (QCLot: 2171396)								

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
EP075C: Phthalate Esters (QCLot: 2171396) - continued								
v P075: MnD eykCl pkykalaye	121-11-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	83.4 ----	40 ----	143 ----
v P075: Mneykl pkykalaye	84-LL-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 85.1	---- 48	---- 140
v P075: MnE-r cyl pkykalaye	84-74-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	95.4 ----	28 ----	1L9 ----
v P075: XcyCl r eExCl pkykalaye	85-L8-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	93.L ----	43 ----	140 ----
v P075: r ns(3-eykCIke; Cl) pkykalaye	117-81-7	0.5	DgGSg	z5.0 ----	---- 3.5 DgGSg	---- 113	---- 47	---- 155
v P075: MnE-oNyCl pkykalaye	117-84-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	91.3 ----	47 ----	127 ----
EP075D: Nitrosamines (QCLot: 2171396)								
v P075: h-h nytosoD eykCleykCIaD nEe	10595-95-L	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	95.L ----	1L.3 ----	12L ----
v P075: h-h nytosoDneykCIaD nEe	55-18-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 85.7	---- 22	---- 123
v P075: h-h nytosopCltolnOlEe	920-55-3	0.5	DgGSg	---- z1.0	3.5 DgGSg ----	87.1 ----	37.7 ----	120 ----
v P075: h-h nytosoD otpkolnEe	59-89-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	113 ----	22 ----	121 ----
v P075: h-h nytosoOnE-ptopCIaD nEe	L31-L4-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	8L.0 ----	2L ----	137 ----
v P075: h-h nytosopnpetnOlEe	100-75-4	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	8L.5 ----	25 ----	138 ----
v P075: h-h nytosoOn cyCIaD nEe	934-1L-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	87.L ----	27 ----	129 ----
v P075: h-h nytosoOnpkeECl & MnpkeECIaD nEe	8L-20-L 133-29-4	0.5	DgGSg	---- z1.0	3.5 DgGSg ----	79.2 ----	43 ----	124 ----
v P075: u eykapOlneEe	91-80-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	= 18.7 ----	34.4 ----	142 ----
EP075E: Nitroaromatics and Ketones (QCLot: 2171396)								
v P075: 3-PnNblnEe	109-0L-8	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 90.5	---- 10	---- 128
v P075: d Neyopke EoEe	98-8L-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 77.3	---- 25	---- 138
v P075: h nyto r eExeEe	98-95-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	81.3 ----	2L ----	137 ----
v P075: Isopkotoee	78-59-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 82.7	---- 40	---- 12L

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
EP075E: Nitroaromatics and Ketones (QCLot: 2171396) - continued								
v P075: 3.L-MrEytoyolceEe	L0L-30-3	0.5	DgGSg	---- z1.0	3.5 DgGSg ----	79.7 ----	43 ----	140 ----
v P075: 3.4-MrEytoyolceEe	131-14-3	0.5	DgGSg	z1.0 ----	---- 3.5 DgGSg	---- 85.3	---- 4L	---- 140
v P075: 1-h apkykCaDrEe	124-23-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	= 4.4 ----	10 ----	84 ----
v P075: 4-h nytoqcrEolrEe-h -o; rOe	5L-57-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- L0.1	---- 17.7	---- 152
v P075: 5-h nyto-o-yolcrOrEe	99-55-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	74.4 ----	27 ----	135 ----
v P075: dxor eExeEe	102-22-2	1	DgGSg	---- z1	3.5 DgGSg ----	9L.1 ----	4L ----	140 ----
v P075: 1.2.5-TtrEytor eExeEe	99-25-4	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	80.L ----	13.L ----	151 ----
v P075: PkeEaNeyrE	L3-44-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	74.9 ----	48 ----	143 ----
v P075: 4-d DrEor rpkeECl	93-L7-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 13.0	---- 10	---- 97
v P075: PeEyaNklotoEytor eExeEe	83-L8-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	91.5 ----	47 ----	129 ----
v P075: PtoEaDrOe	32950-58-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	92.L ----	45 ----	122 ----
v P075: MrDeykCaDrEoaxor eExeEe	L0-11-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	84.L ----	43 ----	12L ----
v P075: i klotor eExrhaye	510-15-L	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	L7.7 ----	41 ----	141 ----
EP075F: Haloethers (QCLot: 2171396)								
v P075: Xrs(3-Nklotoeyk Cl) eyket	111-44-4	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	71.5 ----	2L ----	14L ----
v P075: Xrs(3-Nklotoeyko; C) DeykaEe	111-91-1	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	84.5 ----	40 ----	12L ----
v P075: 4-i klotopkeECl pkeECl eyket	7005-73-2	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 80.8	---- 4L	---- 12L
v P075: 4-XtoDopkeECl pkeECl eyket	101-55-2	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 77.3	---- 44	---- 140
EP075G: Chlorinated Hydrocarbons (QCLot: 2171396)								
v P075: 1.2-MrNklotor eExeEe	541-72-1	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	74.8 ----	25 ----	133 ----
v P075: 1.4-MrNklotor eExeEe	10L-4L-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	84.4 ----	2L ----	135 ----

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP075G: Chlorinated Hydrocarbons (QCLot: 2171396) - continued								
v P075: 1.3-MrNklotor eExeEe	95-50-1	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	81.7	27	132
v P075: He; aNklotoeykaEe	L7-73-1	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	73.L	22	132
v P075: 1.3.4-TtrNklotor eExeEe	130-83-1	0.5	DgGSg	----	3.5 DgGSg	77.3	2L	123
				z0.5	----	----	----	----
v P075: He; aNklotoptopOeEe	1888-71-7	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	82.5	3L.L	127
v P075: He; aNklotor cyaOreEe	87-L8-2	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	80.1	40	120
v P075: He; aNklotoNCNopeEyaOreEe	77-47-4	0.5	DgGSg	----	3.5 DgGSg	42.9	17.2	141
				z3.5	----	----	----	----
v P075: PeEyaNklotor eExeEe	L08-92-5	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	82.2	4L	12L
v P075: He; aNklotor eExeEe (Hi X)	118-74-1	0.5	DgGSg	----	5 DgGSg	80.3	40	143
				z1.0	----	----	----	----
EP075H: Anilines and Benzidines (QCLot: 2171396)								
v P075: d EmEe	L3-52-2	0.5	DgGSg	----	3.5 DgGSg	21.5	10	114
				z0.5	----	----	----	----
v P075: 4-i klotoaEmEe	10L-47-8	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	1L.3	10	102
v P075: 3-hytoaEmEe	88-74-4	0.5	DgGSg	----	3.5 DgGSg	8L.5	40	143
				z1.0	----	----	----	----
v P075: 2-hytoaEmEe	99-09-3	0.5	DgGSg	----	3.5 DgGSg	44.L	32.2	135
				z1.0	----	----	----	----
v P075: Mr eExofctaE	123-L4-9	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	89.1	4L	124
v P075: 4-hytoaEmEe	100-01-L	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	74.9	28	123
v P075: i atraxole	8L-74-8	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	8L.1	44	124
v P075: 2.2`-MrNklotor eExrOeEe	91-94-1	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	30.1	10	134
EP075I: Organochlorine Pesticides (QCLot: 2171396)								
v P075: alpka-XHi	219-84-L	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	88.7	50	124
v P075: reya-XHi	219-85-7	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	93.3	47	125
v P075: gaDDa-XHi	58-89-9	0.5	DgGSg	z0.5	----	----	----	----
				----	3.5 DgGSg	9L.2	50	127

Acr-u ayt n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP075I: Organochlorine Pesticides (QCLot: 2171396) - continued								
v P075: Oelya-XHi	219-8L-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	94.8 ----	48 ----	12L ----
v P075: HepyaNklot	7L-44-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	88.3 ----	40 ----	128 ----
v P075: dlOtnE	209-00-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 89.2	---- 44	---- 140
v P075: HepyaNklot epo; nOe	1034-57-2	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	85.8 ----	45 ----	129 ----
v P075: alpka-v EOosclfaE	959-98-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	100 ----	4L ----	143 ----
v P075: 4.4`-MMv	73-55-9	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	87.3 ----	70 ----	120 ----
v P075: MnelOtnE	L0-57-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 97.2	---- 47	---- 129
v P075: v EOtnE	73-30-8	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 97.2	---- 43	---- 143
v P075: r eya-v EOosclfaE	22312-L5-9	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 92.5	---- 47	---- 141
v P075: 4.4`-MMM	73-54-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	8L.4 ----	43 ----	14L ----
v P075: v EOosclfaE sclfaye	1021-07-8	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	84.2 ----	41 ----	141 ----
v P075: 4.4`-MMT	50-39-2	0.5	DgGSg	---- z1.0	3.5 DgGSg ----	87.L ----	19.L ----	148 ----
EP075J: Organophosphorus Pesticides (QCLot: 2171396)								
v P075: MnNklotmos	L3-72-7	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	77.2 ----	31.9 ----	121 ----
v P075: MnDeykoaye	L0-51-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 90.5	---- 28	---- 143
v P075: MraxnEoE	222-41-5	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 98.5	---- 2L	---- 122
v P075: i klotpOnfos-Deyk Cl	5598-12-0	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	87.5 ----	25 ----	142 ----
v P075: u alaykroE	131-75-5	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	90.9 ----	25 ----	142 ----
v P075: FeEykroE	55-28-9	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 85.8	---- 35.1	---- 125
v P075: i klotpOnfos	3931-88-3	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 92.5	---- 2L	---- 123

Acr-u ayt,n : **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP075J: Organophosphorus Pesticides (QCLot: 2171396) - continued								
vP075: PmrDpkos-eykO	32505-41-1	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 89.5	---- 2L	---- 125
vP075: i klotfeEmfEpkos	470-90-L	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 89.1	---- 25	---- 128
vP075: Ptoykmofos	24L42-4L-4	0.5	DgGSg	z0.5 ----	---- 3.5 DgGSg	---- 94.3	---- 27	---- 125
vP075: vykmoE	5L2-13-3	0.5	DgGSg	---- z0.5	3.5 DgGSg ----	88.L ----	28 ----	127 ----
EP080/071: Total Petroleum Hydrocarbons (QCLot: 2171235)								
vP080: i L - i 9 FtaNyroE	----	10	DgGSg	z10	23 DgGSg	101	70	122
EP080/071: Total Petroleum Hydrocarbons (QCLot: 2175834)								
vP071: i 10 - i 14 FtaNyroE	----	50	DgGSg	z50	544 DgGSg	94.3	55	132
vP071: i 15 - i 38 FtaNyroE	----	100	DgGSg	z100	1981 DgGSg	10L	73	124
vP071: i 39 - i 2L FtaNyroE	----	100	DgGSg	z100	818 DgGSg	9L.4	71	142
vP071: i 10 - i 2L FtaNyroE (scD)	----	50	DgGSg	z50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QCLot: 2171235)								
vP080: i L - i 10 FtaNyroE	----	10	DgGSg	z10	27 DgGSg	103	70	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QCLot: 2175834)								
vP071: >i 10 - i 1L FtaNyroE	----	50	DgGSg	z50	870 DgGSg	104	L9	132
vP071: >i 1L - i 24 FtaNyroE	----	100	DgGSg	z100	3495 DgGSg	100	71	124
vP071: >i 24 - i 40 FtaNyroE	----	100	DgGSg	z100	3L2 DgGSg	79.4	L2	142
vP071: >i 10 - i 40 FtaNyroE (scD)	----	100	DgGSg	z100	----	----	----	----
EP216: Perchlorate by LC/MS (QCLot: 2175836)								
vP31L: PetNklotaye	7L01-90-2	10	µgGSg	z10.0	35 µgGSg	98.L	5L	120
EP231: Perfluorooctyl Acids and Sulfonates. (QCLot: 2175573)								
vP321: PFBA	17L2-32-1	0.0005	DgGSg	z0.0005	0.005 DgGSg	L9.1	54	14L
vP321: PFBd	225-L7-1	0.0005	DgGSg	z0.0005	0.005 DgGSg	72.7	54	124
vP321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	0.005	DgGSg	z0.005	.035 DgGSg	73.3	5L	128

Matrix Spike (MS) Report

Tke qcalnyC NoEytol yetD u aytn; AprSe (u A) tefets yo aE nEytalar otayotC splny saDple sprSeO wnyk a tepteseEyaynne sey of yatgey aEalOyes. Tke pctpose of ykns Qi pataDeyet ns yo DoEnyot poyeEyal Daytn; effeNys oE aEalOye teNonetnes. AyaynNReNonnetCbnDnys as pet lar otayotCMaya QcalnyCBr jeNynnes (MQBs). lOeal teNonetCtaEges syaye ODaCr e wannneOnE yke emeEyof saDple Daytn; nEyetfeteENe.

Acr-u aytn; : **SOIL**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EG005T: Total Metals by ICP-AES (QCLot: 2181305)							
v u 1301441-003	d EoECDocs	v K005T: dtseEnN	7440-28-3	50 DgGSg	7L.L	70	120
		v K005T: i aODncD	7440-42-9	50 DgGSg	100	70	120
		v K005T: i ktoDncD	7440-47-2	50 DgGSg	82.5	70	120
		v K005T: i oppet	7440-50-8	50 DgGSg	103	70	120
		v K005T: beaO	7429-93-1	50 DgGSg	83.5	70	120
		v K005T: h nNSel	7440-03-0	50 DgGSg	101	70	120
		v K005T: ZnEN	7440-LL-L	50 DgGSg	132	70	120
EG035T: Total Recoverable Mercury by FIMS (QCLot: 2181306)							
v u 1301441-003	d EoECDocs	v K025T: u etNctC	7429-97-L	5.0 DgGSg	102	5L	133
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 2171394)							
v u 1301441-002	d EoECDocs	v P0LL: Toyal PolONklotnEayeOr npkeECls	----	1.34 DgGSg	87.8	55	123
EP068A: Organochlorine Pesticides (OC) (QCLot: 2171393)							
v u 1301441-003	d EoECDocs	v P0L8: gaDDa-XHi	58-89-9	0.5 DgGSg	5L.7	20	139
		v P0L8: HepyaNklot	7L-44-8	0.5 DgGSg	54.0	33.3	139
		v P0L8: dlOtnE	209-00-3	0.5 DgGSg	40.2	35	138
		v P0L8: MnelOtnE	L0-57-1	0.5 DgGSg	48.7	2L	123
		v P0L8: v EOtnE	73-30-8	0.5 DgGSg	48.3	23	128
		v P0L8: 4.4`-MMT	50-39-2	0.5 DgGSg	42.1	31.8	140
EP068B: Organophosphorus Pesticides (OP) (QCLot: 2171393)							
v u 1301441-003	d EoECDocs	v P0L8: MnaxrEoE	222-41-5	0.5 DgGSg	49.1	29	139
		v P0L8: i klotpOtnfos-DeykCl	5598-12-0	0.5 DgGSg	51.3	29	13L
		v P0L8: PtnDpkos-eykCl	32505-41-1	0.5 DgGSg	49.3	28	120
		v P0L8: XtoDopkos-eykCl	4834-78-L	0.5 DgGSg	43.4	25	114
		v P0L8: Ptoykmofos	24L42-4L-4	0.5 DgGSg	47.2	29	135
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 2171236)							
v u 1301553-003	d LPTLG3003	v P074: XeExeEe	71-42-3	3 DgGSg	114	L4	13L
		v P074: TolceEe	108-88-2	3 DgGSg	137	L5	121
EP074E: Halogenated Aliphatic Compounds (QCLot: 2171236)							
v u 1301553-003	d LPTLG3003	v P074: 1.1-MnNklotoeykeEe	75-25-4	3 DgGSg	L8.L	50	134
		v P074: TtnNklotoeykeEe	79-01-L	3 DgGSg	105	L0	133
EP074F: Halogenated Aromatic Compounds (QCLot: 2171236)							
v u 1301553-003	d LPTLG3003	v P074: i klotor eExeEe	108-90-7	3 DgGSg	135	L9	139
EP075A: Phenolic Compounds (QCLot: 2171396)							

Acr-u ayt,n : **SOIL**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP075A: Phenolic Compounds (QCLot: 2171396) - continued							
v u 1301441-004	d EoECDocs	v P075: PkeEol	108-95-3	5 DgGSg	7L.0	32.7	119
		v P075: 3-i klotopkeEol	95-57-8	5 DgGSg	LL.7	21.1	11L
		v P075: 3-h nytopkeEol	88-75-5	5 DgGSg	75.8	1L.4	115
		v P075: 4-i kloto-2-u eykClpkeEol	59-50-7	5 DgGSg	93.7	33.2	133
		v P075: PeEyaNklotopkeEol	87-8L-5	5 DgGSg	83.5	17.L	143
EP075B: Polynuclear Aromatic Hydrocarbons (QCLot: 2171396)							
v u 1301441-004	d EoECDocs	v P075: d NeEapkykeEe	82-23-9	5 DgGSg	72.7	35.4	133
		v P075: PCteEe	139-00-0	5 DgGSg	74.5	14.L	137
EP075D: Nitrosamines (QCLot: 2171396)							
v u 1301441-004	d EoECDocs	v P075: h-h nytosoOnE-ptopCiaDrnEe	L31-L4-7	5 DgGSg	L4.2	17.8	110
EP075E: Nitroaromatics and Ketones (QCLot: 2171396)							
v u 1301441-004	d EoECDocs	v P075: 3.4-MrEntoyolceEe	131-14-3	5 DgGSg	70.5	38.2	113
EP075G: Chlorinated Hydrocarbons (QCLot: 2171396)							
v u 1301441-004	d EoECDocs	v P075: 1.4-MrNklotor eExeEe	10L-4L-7	5 DgGSg	L7.7	32	113
		v P075: 1.3.4-TtrNklotor eExeEe	130-83-1	5 DgGSg	L0.9	13.9	111
EP080/071: Total Petroleum Hydrocarbons (QCLot: 2171235)							
v u 1301553-003	dLPTLC3003	v P080: i L - i 9 FtaNyroE	----	38 DgGSg	100	49	137
EP080/071: Total Petroleum Hydrocarbons (QCLot: 2175834)							
v u 1301497-004	d EoECDocs	v P071: i 10 - i 14 FtaNyroE	----	544 DgGSg	90.3	54	132
		v P071: i 15 - i 38 FtaNyroE	----	1981 DgGSg	104	74	124
		v P071: i 39 - i 2L FtaNyroE	----	818 DgGSg	9L.4	L2	142
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QCLot: 2171235)							
v u 1301553-003	dLPTLC3003	v P080: i L - i 10 FtaNyroE	----	22 DgGSg	100	70	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft (QCLot: 2175834)							
v u 1301497-004	d EoECDocs	v P071: >i 10 - i 1L FtaNyroE	----	870 DgGSg	98.L	54	132
		v P071: >i 1L - i 24 FtaNyroE	----	3495 DgGSg	99.3	74	124
		v P071: >i 24 - i 40 FtaNyroE	----	3L2 DgGSg	87.5	L2	142
EP216: Perchlorate by LC/MS (QCLot: 2175836)							
v u 1301441-001	d EoECDocs	v P31L: PetNklotaye	7L01-90-2	35 µgGSg	97.3	70	120
EP231: Perfluorooctyl Acids and Sulfonates. (QCLot: 2175573)							
v u 1301441-001	d EoECDocs	v P321: PFBA	17L2-32-1	0.005 DgGSg	= hoyMeyetDrnEeO	54	14L
		v P321: PFBd	225-L7-1	0.005 DgGSg	L7.0	54	124
		v P321: L:3 FlcotoyeloDet AclfoEaye (L:3 FyA)	37L19-97-3	.035 DgGSg	L1.9	5L	128

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EM1201552**	Page	: 1 of 2
Client	: GOLDER ASSOCIATES	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6072 Building 79, 705, - - S8 an St9Richmond9wlCV. 131 HAWTHORN WEST wlC9AUSTRALIA . 133	Address	: 4 Westall Rd Springvale wlC Australia . 171
E5mail	: nmccormack@golder\Vcom\Vau	E5mail	: samantha\Vsmith@alsglobal\Vcom
Telephone	: +61 0. - - 63 . , 00	Telephone	: +615 5- , 42 2644
Facsimile	: +61 0. - - 63 . , 01	Facsimile	: +615 5- , 42 2601
Project	: 11761. 301	QC Level	: NEPM 1222 Schedule B(.) and ALS QCS. requirement
Site	: F 5wlC		
C5O5C number	: - 166	Date Samples Received	: 145FEB53013
Sampler	: RM	Issue Date	: 3- 5FEB53013
Order number	: GA5MELB . . 3, 02		
		NoVof samples received	: 13
Quote number	: MEK0, 4K13	NoVof samples analysed	: .

This report supersedes any previous report(s) 8 ith this reference\VResults apply to the sample(s) as submitted\VAll pages of this report have been checked and approved for release\V

This Interpretive Quality Control Report contains the follo8 ing information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The follo8 ing report summarises e/ traction K preparation and analysis times and compares 8 ith recommended holding timesV Dates reported represent first date of e/ traction or analysis and precludes subsequent dilutions and rerunsV Information is also provided re the sample container (preservative) from 8 hich the analysis aliquot 8 as takenV Elapsed period to analysis represents number of days from sampling 8 here no e/ traction K digestion is involved or period from e/ traction K digestion 8 here this is presentV For composite samples9 sampling date is assumed to be that of the oldest sample contributing to the compositeV Sample date for laboratory produced leachates is assumed as the completion date of the leaching processV Outliers for holding time are based on USEPA SW - 469 APHA9 AS and NEPM (1222)V A listing of breaches is provided in the Summary of OutliersV

Holding times for leachate methods (e/ cluding elutriates) vary according to the analytes being determined on the resulting solutionV For non 5volatile analytes9 the holding time compliance assessment compares the leach date 8 ith the shortest analyte holding time for the equivalent soil methodV These soil holding times are: Organics (14 days)x Mercury (3- days) ; other metals (1- 0 days)V A recorded breach therefore does not guarantee a breach for all non5volatile parametersV

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**----**	5555	5555	**16-FEB-2012**	375-FEB-53013	✓
EG005T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**23-FEB-2012**	115-AUG-53013	✓	**27-FEB-2012**	115-AUG-53013	✓
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**23-FEB-2012**	135-MAR-53013	✓	**24-FEB-2012**	135-MAR-53013	✓
EP004: Organic Matter								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**16-FEB-2012**	305-FEB-53013	✓	**16-FEB-2012**	1, 5-MAR-53013	✓
EP066: Polychlorinated Biphenyls (PCB)								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
EP068A: Organochlorine Pesticides (OC)								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
EP068B: Organophosphorus Pesticides (OP)								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
EP074A: Monocyclic Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved A6PT6K80039 A6PT10K8001	A6PT- K80039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074B: Oxygenated Compounds								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP074C: Sulfonated Compounds								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP074D: Fumigants								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP074E: Halogenated Aliphatic Compounds								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP074F: Halogenated Aromatic Compounds								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP074G: Trihalomethanes								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375-FEB-53013	✓	**17-FEB-2012**	375-FEB-53013	✓
A6PT10K3001								
EP075A: Phenolic Compounds								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
A6PT10K3001								
EP075B: Polynuclear Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
A6PT10K3001								
EP075C: Phthalate Esters								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
A6PT10K3001								
EP075D: Nitrosamines								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
A6PT10K3001								
EP075E: Nitroaromatics and Ketones								
Soil Glass Jar - Unpreserved								
A6PT6K30039	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375-FEB-53013	✓	**20-FEB-2012**	3- 5-MAR-53013	✓
A6PT10K3001								

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075F: Haloethers								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375FEB53013	✓	**20-FEB-2012**	3- 5MAR53013	✓
EP075G: Chlorinated Hydrocarbons								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375FEB53013	✓	**20-FEB-2012**	3- 5MAR53013	✓
EP075H: Anilines and Benzidines								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375FEB53013	✓	**20-FEB-2012**	3- 5MAR53013	✓
EP075I: Organochlorine Pesticides								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375FEB53013	✓	**20-FEB-2012**	3- 5MAR53013	✓
EP075J: Organophosphorus Pesticides								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**17-FEB-2012**	375FEB53013	✓	**20-FEB-2012**	3- 5MAR53013	✓
EP080/071: Total Petroleum Hydrocarbons								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375FEB53013	✓	**17-FEB-2012**	375FEB53013	✓
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**21-FEB-2012**	375FEB53013	✓	**22-FEB-2012**	015APR53013	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**16-FEB-2012**	375FEB53013	✓	**17-FEB-2012**	375FEB53013	✓
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**21-FEB-2012**	375FEB53013	✓	**22-FEB-2012**	015APR53013	✓
EP216: Perchlorate by LC/MS								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**21-FEB-2012**	135MAR53013	✓	**21-FEB-2012**	315MAR53013	✓
EP231: Perfluorooctyl Acids and Sulfonates.								
Soil Glass Jar - Unpreserved A6PT6K30039 A6PT10K3001	A6PT- K30039	**13-FEB-2012**	**21-FEB-2012**	115AUG53013	✓	**21-FEB-2012**	015APR53013	✓

Quality Control Parameter Frequency Compliance

The follo8 ing report summarises the frequency of laboratory QC samples analysed 8 ithin the analytical lot(s) in 8 hich the submitted sample(s) 8 as(8 here) processedVActual rate should be greater than or equal to the e/ pected rateVA listing of breaches is provided in the Summary of OutliersV

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA0, , 510.	3	30	**10.0**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Organic Matter	EP004	3	13	**16.7**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	7	**14.3**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	3	14	**14.3**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP06-	3	11	**18.2**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP066	3	11	**18.2**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP07,	3	11	**18.2**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG0. , T	3	30	**10.0**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG00, T	3	30	**10.0**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP071	1	7	**14.3**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP0- 0	1	,	**20.0**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP074	1	6	**16.7**	**10.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Laboratory Control Samples (LCS)							
Organic Matter	EP004	1	13	**8.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	7	**14.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP06-	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP07,	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG0. , T	1	30	**5.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG00, T	1	30	**5.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP071	1	7	**14.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP0- 0	1	,	**20.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP074	1	6	**16.7**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Method Blanks (MB)							
Organic Matter	EP004	1	13	**8.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	7	**14.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP06-	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP07,	1	11	**9.1**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG0. , T	1	30	**5.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG00, T	1	30	**5.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP071	1	7	**14.3**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP0- 0	1	,	**20.0**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP074	1	6	**16.7**	**5.0**	✓	NEPM 1222 Schedule B(.) and ALS QCS. requirement
Matri/ Spikes (MS)							
Perchlorate in Soils and Sediments by LCKMS	EP316	1	7	**14.3**	**5.0**	✓	ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	ALS QCS. requirement

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matri/ Spikes (MS) 5Continued							
Pesticides by GCMS	EP06-	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP066	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Semivolatile Organic Compounds	EP07,	1	11	**9.1**	**5.0**	✓	ALS QCS. requirement
Total Mercury by FIMS	EG0. , T	1	30	**5.0**	**5.0**	✓	ALS QCS. requirement
Total Metals by ICP5AES	EG00, T	1	30	**5.0**	**5.0**	✓	ALS QCS. requirement
TPH 5Semivolatile Fraction	EP071	1	7	**14.3**	**5.0**	✓	ALS QCS. requirement
TPH wolatileskBTEX	EP0- 0	1	,	**20.0**	**5.0**	✓	ALS QCS. requirement
wolatile Organic Compounds	EP074	1	6	**16.7**	**5.0**	✓	ALS QCS. requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recogni=ed procedures such as those published by the US EPA9APHA9AS and NEPMVIn house developed procedures are employed in the absence of documented standards or by client requestVThe follo8 ing report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of AnalysisVSources from 8 hich ALS methods have been developed are provided 8 ithin the Method DescriptionsV

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA0, , 510.	SOIL	A gravimetric procedure based on 8 eight loss over a 13 hour drying period at 10. 510, degrees CV This method is compliant 8 ith NEPM (3010 Draft) Schedule B(.) Section 7V1 and Table 1 (14 day holding time)V
Total Metals by ICP5AES	EG00, T	SOIL	(APHA 31st ed\9. 130xUSEPA SW - 46 56010) (ICPAES) Metals are determined follo8 ing an appropriate acid digestion of the soilV The ICPAES technique ionises samples in a plasma9emitting a characteristic spectrum based on metals presentV Intensities at selected 8 avelengths are compared against those of matri/ matched standardsVThis method is compliant 8 ith NEPM (1222) Schedule B(.)
Total Mercury by FIMS	EG0. , T	SOIL	AS . , , 09APHA 31st ed\9 . 113 Hg 5B (Flo8 5injection (SnCl3)(Cold wapour generation) AAS) FIM5AAS is an automated flameless atomic absorption techniqueVMercury in solids are determined follo8 ing an appropriate acid digestionVIonic mercury is reduced online to atomic mercury vapour by SnCl3 8 hich is then purged into a heated quart= cellV Quantification is by comparing absorbance against a calibration curveVThis method is compliant 8 ith NEPM (1222) Schedule B(.)
Organic Matter	EP004	SOIL	AS13- 2V4V1V1 51227V9 Dichromate o/ idation method after Walkley and BlackVThis method is compliant 8 ith NEPM (1222) Schedule B(.) (Method 10,)
Polychlorinated Biphenyls (PCB)	EP066	SOIL	(USEPA SW - 46 5- 370B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 04)
Pesticides by GCMS	EP06-	SOIL	(USEPA SW - 46 5- 370B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 049 0,)
TPH 5Semivolatile Fraction	EP071	SOIL	(USEPA SW - 46 5- 01, A) Sample e/ tracts are analysed by Capillary GCKFID and quantified against alkane standards over the range C10 5C. 6VThis method is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 06V1)
wolatile Scan for Unkno8 ns	EP073	SOIL	(USEPA SW - 46 5- 360B) E/ tracts are analysed by Purge and Trap9Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
Semivolatile Scan for Unkno8 ns	EP07.	SOIL	(USEPA SW - 46 5- 360B) E/ tracts are analysed by Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
wolatile Organic Compounds	EP074	SOIL	(USEPA SW - 46 5- 360B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 01)
Semivolatile Organic Compounds	EP07,	SOIL	(USEPA SW - 46 5- 370B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 03)
TPH wolatilesKBTEX	EP0- 0	SOIL	(USEPA SW - 46 5- 360B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1222) Schedule B(.) (Method , 01)
Perchlorate in Soils and Sediments by LCKMS	EP316	SOIL	US EPA Method 6- , 0: , g of sample is e/ trascted 8 ith 3, mL of 8 ater acidifed 8 ith acetic acid9filtered 8 ith a 0V8 zm filter (to e/ tend e/ tract holding time) and analysed by LCKMS in ESI (negative) modeV
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	µEP3. 1	SOIL	In5HouseV A portion of soil is soaked in sodium hydro/ ide follo8 ed by e/ traction 8 ith methanolV The e/ tract is neutralised 8 ith HCl and an aliquot taken to dryness9made up in mobile phaseV Analysis is by LCKMSMS9ESI Negative Mode using MRMV

Preparation Methods	Method	Matrix	Method Descriptions

Preparation Methods	Method	Matrix	Method Descriptions
Hot Block Digest for metals in soils sediments and sludges	EN62	SOIL	USEPA 3005 ModV Hot Block Acid Digestion 1 0g of sample is heated 8 ith Nitric and Hydrochloric acids9then cooledV Pero/ ide is added and samples heated and cooled again before being filtered and bulked to volume for analysisV Digest is appropriate for determination of selected metals in sludge9sediments9and soilsV This method is compliant 8 ith NEPM (1222) Schedule B(.) (Method 303)
Organic Matter	EP0045PR	SOIL	AS13- 2 4 1 1 51227 0 Dichromate o/ idation method after Walkley and BlackV This method is compliant 8 ith NEPM (1222) Schedule B(.) (Method 10,)
Sample E/ traction for Perchlorate	EP3165PR	SOIL	US EPA 6- , 0V
Sample E/ traction for Perfluoroalkyl Compounds	EP3. 15PR	SOIL	In5House
Methanolic E/ traction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW - 46 5, 0. 0A) , g of solid is shaken 8 ith surrogate and 10mL methanol prior to analysis by Purge and Trap 5 GCKMSV
Tumbler E/ traction of Solids (Option A 5 Concentrating)	ORG17A	SOIL	In5house9Mechanical agitation (tumbler)V30g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 1, 0mL 1:1 DCMKAcetone by end over end tumbleV The solvent is decanted9dehydrated and concentrated (by * D) to the desired volume for analysisV
Tumbler E/ traction of Solids (Option B 5 Non5concentrating)	ORG17B	SOIL	In5house9Mechanical agitation (tumbler)V10g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 30mL 1:1 DCMKAcetone by end over end tumbleV The solvent is transferred directly to a GC vial for analysisV

Summary of Outliers

Outliers : Quality Control Samples

The follo8 ing report highlights outliers flagged in the Quality Control (QC) ReportV Surrogate recovery limits are static and based on USEPA SW- 46 or ALS5QWIKENK- (in the absence of specific USEPA limits)V This report displays QC Outliers (breaches) onlyV

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matri/ : **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP074D: Fumigants	3, 706315 00,	5555	**2.2-Dichloropropane**	, 245305 7	140 %	, 151 . 0%	**Recovery greater than upper control limit**
EP07, D: Nitrosamines	3, 70- . , 500-	5555	**Methapyrilene**	215- 05,	1- V7 %	34V451 4. %	**Recovery less than lower control limit**
EP07, E: Nitroaromatics and * etones	3, 70- . , 500-	5555	**1-Naphthylamine**	1. 45 35 7	4V4 %	105- 4%	**Recovery less than lower control limit**
Matrix Spike (MS) Recoveries							
EP3. 1: Perfluorooctyl Acids and SulfonatesV	EM13014415001	Anonymous	**PFOS**	176. 53. 51	Not Determined	5555	**MS recovery not determined, background level greater than or equal to 4x spike level.**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches onlyVOnly the respective E/ traction K-Preparation andK/r Analysis component isK/are displayedV

- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

The follo8 ing report highlights breaches in the Frequency of Quality Control SamplesV

- **No Quality Control Sample Frequency Outliers exist.**

Golder Associates

CHAIN OF CUSTODY
Nº 8166

GOLDER ASSOCIATES PTY LTD
BUILDING 7, BOTANICCA CORPORATE PARK, 570 - 588 SWAN STREET
RICHMOND VIC 3121
Tel: (03) 8862 3500
Fax: (03) 8862 3501

Golder Job Number: 117613201
Job Location: F-VIC
Laboratory Issued To: ALS
Purchase Order No.: GA MELB - 832809
Sampled By (Golder): Roberto Merola
Golder Job Contact: Ward McCorkell
Golder Contact Email: mmccormack@gmail.com

* OBSERVATIONS	SAMPLE DATE	SAMPLE ID TAAXXX/MQNN	SAMPLE TYPE	SAMPLE DEPTH (m)	No. OF CONTAINERS	pH	Metals (As, Cd, Cr (total), Cu, Hg, Ni, Pb, Zn)	Total Petroleum Hydrocarbons (TPH)	Benzene, Toluene, Ethyl benzene, Xylenes (BTEX)	Polycyclic Aromatic Hydrocarbons (PAH) (Standard 16)	Organochlorine Pesticides (OCP)	Organophosphorus Pesticides (OPP)	Polychlorinated Biphenyls (PCB)	EPA Victoria Publication 448.3 Table 2 Screen (no ASLP testing)	EPA Victoria Publication 448.3 Table 3 Screen (incl. ASLP testing)	PFOS/PFOA	VOC	BTOC	HOC	Perchlorates
1	13/2	AGPT6/2001	SOIL	0.2-0.5	5															
2		AGPT6/2002		1.2-1.5	6		X	X	X	X	X	X	X			X	X	X	X	X
3		AGPT5/2001		0.2-0.5	5															
4		AGPT7/2001		0.2-0.5	6															
5		AGPT7/2002		1.2-1.5	6															
6		AGPT1/2001		0.3-0.6	5															
7		AGPT8/2001		0.3-0.6	5															
8		AGPT8/2002		0.8-1.1	5		X	X	X	X	X	X	X			X	X	X	X	X
9		AGPT7/2001		0.1-0.4	5															
10		AGPT9/2002		0.7-1.0	5															
11		AGPT10/2001		0.5-0.8	5		X	X	X	X	X	X	X			X	X	X	X	X
12	↓	TBA6/2701	↓	—	2															

Special Instructions:

TURN AROUND TIME REQUIRED

☐ 1 Working Day ☐ 2 Working Days ☐ 3 Working Days ☐ 4 Working Days ☒ 5 Working Days (standard)

SAMPLE RECEIPT

Relinquished by: Date: 14/2/12
Organisation: Golder Associates Time: 3:55
Received by: WARREN 637 Date: 14.2.12
Organisation: Time:

ANALYTICAL SCHEDULE

Relinquished by: Date: 14/2/12
Organisation: Golder Associates Time: 18:00
Received by: WARREN 637 Date: 14.2.12
Organisation: ALS Time: 14/2/12

RECEIVING LABORATORY TO CONFIRM RECEIPT OF ANALYTICAL SCHEDULE BY RETURN FAX TO : (03) 8862 3501

Environmental Division
Melbourne
R.T Work Order
EM1201552

Telephone +61-3-8549 9600

 # Oservations to Assist Analysis and OH&S
C - Expected to be Highly Contaminated
N - NAPL Sample
HS - Expected High Salinity
HOC - Expected High Total Organic Carbon
S - Sheen
O - Odourous

Original (white) - Laboratory
Duplicate (yellow) - Project File
Triplicate (pink) - COC Book

3:55pm

Date:

Forms F012b RL8 Apr08

CERTIFICATE OF ANALYSIS

Work Order	: **EM12014G4**	eFPs	q1: o13
yaSir	gLODREA SCCOI TSI EC	f FL bFr bt	gEi nC i v sir FamCCCi :MsaL Dbi s
y irFur	qc CEv N:Muy bv Fuh	y irFur	qkFv Fi rNF:k v GN
SAAbsl l	qe:d :Od B:X056 ODGAC P:59350,3- - :k 8 Fi :k r9w CNv i A9RVy l:. 121 HSWTHd wc :WEk T:RVy 9SUk TwSf \S:. 122	SAAbsl l	q4:WsI rFaawA:k pbCPnFas:RVy :SDI rbFaE:. 151
E,v FCa	qi v uu bv Fuh@P aAsbu v IFD	E,v FCa	qI Fv Fi rNFIl v GN@FaI Pa LFalu v
TsaspN i s	q+X1:0. :- - X2:. 300	TsaspN i s	q+X1,. ,- 346:6X44
7FuI V Cas	q+X1:0. :- - X2:. 301	7FuI V Cas	q+X1,. ,- 346:6X01
eb jsur	q115X1. 201:7,RVy	Qy :f snsa	qc EeM:1666::k uNsADas:O(.):Fi A:Sf k :Qy k . :bsqDCsv si r
d bAsbi Dv Lsb	qGS,MEf O:. . 2306		
y,d,y:i Dv Lsb	q,,,,	mFrs:k Fv pasl :wsusCsA	g13,7EO,2012
k Fv pasb	q,,,,	VI Ds:mFrs	q25,7EO,2012
k Cs	q7,RVy		
		c l: ol Fv pasl :bsusCsA	g13
QD rs:i Dv Lsb	qME/034/12	c l: ol Fv pasl :Fi FaI sA	gX

TNC: bsp br: l Dpsbl sAsl : Fi t : pbsnCDl : bsp br(I): 8 GN: nNC: bsosbsi usl: wsl Dal : Fppa: r : nNs: l Fv pas(I): Fl : l DLv GrsAl: Saa pFPsl : o nNC: bsp br: NFns: Lssi : uNsuhsA: Fi A: Fppb nsA: o t bsasFl sl:

TNC:y sbrCQFrs: oSi FaI C:u irFCI :nNs:o aa 8 CP:Co bv FrCi g

- Gsi sbFay v v si rl
- Si FairQFawsl Dal
- k Dbb PFrs:y i rb af V Cl

NATA
WORLD RECOGNISED
ACCREDITATION

c STS:SuubsAGsA:f FL bFr bt :- 23
:
SuubsAGsA:o bu v paEi us:8 GN:
Vk d /VEy :15023l

Signatories

TNC: A uDv si r: NFl : Lssi : sasurb i QFal : l CPi sA: Lt : nNs: FDrN b2sA: l CPi Fr bGl : CAQFrsA: Lsa 8 l: Easurb i Q: l CPi CP: NFl : Lssi uFbbGsA: Dr:C:u v paEi us:8 GN:pb usADbsl :l psuGGsA:C:21:y 7w:e Fb:11l

Signatories	*Position*	*Accreditation Category*
mGFi C7sbi Fi A	k si Cbl V bPFi Q:y Nsv Cr	MsaL Dbi s:V bPFi Ql
c Fi ut:WFi P	k si Cbl k sv Q aFrGas:V I rbDv si r:y Nsv Cr	MsaL Dbi s:V bPFi Ql
c Fi ut:WFi P	k si Cbl k sv Q aFrGas:V I rbDv si r:y Nsv Cr	MsaL Dbi s:d bPFi Ql
eNFaFh:V rNFhl i s	f FL bFr bt :MFi FPsb,:d bPFi Ql	k t Ai st :d bPFi Ql
BCPLC:f C	k si Cbd bPFi Q:y Nsv Cr	MsaL Dbi s:V bPFi Ql
BCPLC:f C	k si Cbd bPFi Q:y Nsv Cr	MsaL Dbi s:d bPFi Ql

eFPs	g . : o13
W bh:d bAsb	g EM1201353
y aGi r	g Gd f mEw:Skk d y \STEk
eb jsur	g 115X1. 201:7,RVy

General Comments

TNs: Fi Fair0Fa pb usADbsl : DlsA: Lt : rNs: Ei n0 i v si rFa m0CCi : NFns: Lssi : Asnsa psA: do v : sl rFLaCNsA: Crsbi FrCi Fail : bsu Pi 2sA: pb usADbsl : l DuN Fl : rN l s: pDLaCNsA: Lt : rNs: Uk Ee S9 Se HS9 Sk : Fi A: c Ee MI: V : N Dl s Asnsa psA:pb usADbsl :Fbs:sv pa t sA:C:rNs:FLI si us: oA uDv si rsA:l rFi AFbAl : bLt :uaGi r:bsqDsl rl

WNsbs:v CrDbs:Asrsbv CFrCi :NFl :Lssi :psbo bv sA9bsl Dal :Fbs:bsp brsA: i :F:Abt :8 sGNr:LFl Cl

WNsbs:F:bsp brsA:asl l :rNFi :(<):bsl Dar:C:NGNsbrNFi :rNs:f d w9rNC:v Ft :Ls:ADs:r :pbV Fbt :l Fv pas:sxrbFur/AGPsl rFrs:AGaDrCi :Fi A/ brCl DooQGi r:l Fv pas:o brFi Fal l Cl

WNsbs:rNs:f d w: oF:bsp brsA:bsl Dar:AGosbl :do v :l rFi AFbA:f d w9rNC:v Ft :Ls:ADs:r :NGPN:v CrDbs:u i rsi r9Cl DooQGi r:l Fv pas:(bsADusA:8 sGNr:sv pa t sA): bv FrbQx:Crsbosbsi usl

WNsi :l Fv paCP:rV s:Co bv FrCi :C:i r:pb nVasA:Lt :rNs:uaGi r9l Fv paCP:AFrsl :Fbs:l N 8 i :8 GN Dr:F:rV s:u v p i si rl::V :rNsl s:Cl rFi usl 9rNs:rV s:u v p i si r:NFl :Lssi :Fl l Dv sA:Lt :rNs:aFL bFr bt :o bpb usl l CP:pDbp l sl l

Kst :g y Sk :c Dv Lsbr=:y Sk :bsPCrbt :i Dv Lsbdo v :AFrFLFl s:v FCrFCsA:Lt :y Nsv QFaSLl rbFurl :k sbnQsl l:TNs:y Nsv QFaSLl rbFurl :k sbnQs:C:F:AGCCi : crNs:Sv sbQFi :y Nsv QFak uGrt l
f d w:=:f V C: obsp brCP
P:=:TNC:bsl Dar:C:u v pDrsA:do v :CA@VADFaFi Fairs:AsrsurCi l :Fr: brFL ns:rNs:asnsa obsp brCP

- **E/ 0- 5: EM12014G4_5 / srtimu.sr gs^ p.e required di.ution prior to sns.ygig due to ^ strix interferenmeg+ DOA vs.ueg hsve ceen sdjugted smmordinb.y+**
- **E/ 0G4: 7Cu^ of / S' 7ig the gu^ of the HCE/ S 1- priority / S' g**
- **E/ 281: / UOS F / UOC regu.tg sre reported sg sn sbbrebste of .inesr snd crsnmhed igo^ erg+Mstrix gpike removery not deter^ ined for / UOC due to hibh csmkbround .eve. of tsrbet sns.yte+**
- **/ ermh.orsteg snd / UOC& UOS mondumted cy SDC Cydney, NSI S smmreditstion no+524, gite no 10w11+**

eFPs	g 4: o13
W th:d bAsb	g EM1201353
y aGi r	g Gd f mEw:Skk d y \STEk
eb jsur	g 115X1. 201:7,RVy

Analytical Results

k DL, MFrb0: COTD			Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR	Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
ES002 : p' (Coi.g@								
p' ° s.ue	,,,,	0I1	pH:Ui C	G+	-+	-+4	-+9	G2
ES044: Moigture I ontent								
Moigture I ontent (dried) 1082I @	,,,,	1I0	µ	2w+	2-+2	1-+2	1w9	80+0
EL004I : I ots. Mets.g cy T / 3SEC								
Srgenim	5440,.-,2	3	v P/hP	<3	<3	<3	<3	<3
I sd^ iu^	5440,4.,6	1	v P/hP	<1	<1	<1	<1	<1
I hro^ iu^	5440,45,.	2	v P/hP	8G	--	9G	92	9-
I opper	5440,30,-	3	v P/hP	w	19	w	10	10
Desd	54. 6,62,1	3	v P/hP	12	12	18	1G	w
Ninke.	5440,02,0	2	v P/hP	91	29	11	2G	81
Binm	5440,XX,X	3	v P/hP	5	19	11	19	-
EL084I : I ots. Aenoversc.e Mermury cy UTMC								
Mermury	54. 6,65,X	0I1	v P/hP	<0I1	<0I1	<0I1	<0I1	<0I1
E/ 009: OrbsnimMstter								
I ots. Orbsnim srcon	,,,,	0I3	µ	<0I3	<0I3	0+G	1+0	<0I3
E/ 0--:/ o.ymh.orinsted z ipheny.g (/ I z@								
I ots. / o.ymh.orinsted cipheny.g	,,,,	0I10	v P/hP	<0I10	<0I10	<0I10	<0I10	<0I10
E/ 0-5S: Orbsnomh.orine / egtimideg (OI @								
s.phs3z ' I	.16,-4,X	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
' exsmh.orocen`ene (' I z@	11-,54,1	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
cets3z ' I	.16,-3,5	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
bs^ ^ s3z ' I	3-,-6,6	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
de.ts3z ' I	.16,-X,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
' eptsmh.or	5X,44,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
S.drin	.06,00,2	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
' eptsmh.or epoxide	1024,35,.	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
trsng3I h.ordsne	310.,54,2	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
s.phs3Endogu.fsn	636,6-,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
mig3I h.ordsne	310.,51,6	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Rie.drin	X0,35,1	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
9+9VRRE	52,33,6	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Endrin	52,20,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
cets3Endogu.fsn	..21.,X3,6	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
9+9VRRR	52,34,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Endrin s.dehyde	5421,6.,4	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Endogu.fsn gu.fste	10. 1,05,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
9+9VRRI	30,26,.	0I2	v P/hP	<0I2	<0I2	<1I0	<0I2	<0I2

Analytical Results

k DL, MFrb2: COTD			Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR	Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0-5S: Orbsnomh.orine / egtimideg (Ol @I ontinued								
Endrin ketone	3. 464,50,3	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Methoxymh.or	52,4. ,3	0I2	v P/hP	<0I2	<0I2	<1I0	<0I2	<0I2
E/ 0-5z : Orbsnophogphorug / egtimideg (O/ @								
Rimh.orvog	X2,5. ,5	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Re^ eton3C3^ ethy.	616,-X,-	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Monomrotophog	X62. ,22,4	0I2	v P/hP	<0I2	<0I2	<1I0	<0I2	<0I2
Ri^ ethoste	X0,31,3	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Ris` inon	. . . ,41,3	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
I h.orpyrifog3^ ethy.	336-,1. ,0	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
/ srsthion3^ ethy.	26-,00,0	0I2	v P/hP	<0I2	<0I2	<1I0	<0I2	<0I2
Ms.sthion	121,53,3	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Uenthion	33,. -,6	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
I h.orpyrifog	2621,--,2	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
/ srsthion	3X,. -,2	0I2	v P/hP	<0I2	<0I2	<1I0	<0I2	<0I2
/ iri^ phog3ethy.	2. 303,41,1	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
I h.orfenvinphog	450,60,X	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
z ro^ ophog3ethy.	4-24,5-,X	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Uens^ iphog	22224,62,X	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
/ rothiofog	. 4X4. ,4X,4	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
Ethion	3X. ,12,2	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
I srcophenothion	5-X,16,X	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
S` inphog Methy.	-X,30,0	0I03	v P/hP	<0I03	<0I03	<0I23	<0I03	<0I03
E/ 0C9S: MonomymimSro^ stim' ydromsrcong								
z en` ene	51,4. ,2	0I2	v P/hP	<0I2	<0I2	<0I2	<0I2	<0I2
I o.uene	10-,--,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ethy.cen` ene	100,41,4	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
^ ets3F psrs3Ky.ene	10-,. -,. :10X,42,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ctyrene	100,42,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
ortho3Ky.ene	63,45,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Tgopropy.cen` ene	6-,-2,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
n3' ropy.cen` ene	10. ,X3,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-8-443 ri^ ethy.cen` ene	10-,X5,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
gem8z uty.cen` ene	1. 3,6-,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-2-993 ri^ ethy.cen` ene	63,X. ,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
tert3z uty.cen` ene	6-,0X,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
p3Tgopropy.to.uene	66,-5,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
n3z uty.cen` ene	104,31,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0C9z : Oxybensted I o^ poundg								

Analytical Results

k DL, MFrb0: COTD			Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR	Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0G9z : Oxybensted l o^ poundg 3l ontinued								
° iny. Snretste	10-,03,4	3	v P/hP	<3	<3	<3	<3	<3
23z utsnone (MEJ@	5-,6.,.	3	v P/hP	<3	<3	<3	<3	<3
93Methy.323pentsnone (MTz J@	10-,10,1	3	v P/hP	<3	<3	<3	<3	<3
23 exsnone (Mz J@	361,5-,X	3	v P/hP	<3	<3	<3	<3	<3
E/ 0G9l : Cu.fonsted l o^ poundg								
l srcon digu.fide	53,13,0	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
E/ 0G9R: Uu^ ibsntg								
2-23Rimh.oropropsne	364,20,5	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-23Rimh.oropropsne	5-,-5,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
mg31-83Rimh.oropropy.ene	100X1,01,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
trsng3l-83Rimh.oropropy.ene	100X1,02,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-23Ricro^ oethsne (ERz@	10X,6.,4	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
E/ 0G9E: ' s.obensted S.iphstiml o^ poundg								
Rimh.orodif.uoro^ ethsne	53,51,-	3	v P/hP	<3	<3	<3	<3	<3
l h.oro^ ethsne	54,-5,.	3	v P/hP	<3	<3	<3	<3	<3
° iny. mh.oride	53,01,4	3	v P/hP	<3	<3	<3	<3	<3
z ro^ o^ ethsne	54,-.,6	3	v P/hP	<3	<3	<3	<3	<3
l h.oroethsne	53,00,.	3	v P/hP	<3	<3	<3	<3	<3
l rimh.orof.uoro^ ethsne	53,X6,4	3	v P/hP	<3	<3	<3	<3	<3
1-13Rimh.oroethene	53,.3,4	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
Todo^ ethsne	54,--,4	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
trsng3l-23Rimh.oroethene	13X,X0,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-13Rimh.oroethsne	53,.4,.	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
mg31-23Rimh.oroethene	13X,36,2	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-1-13 rimh.oroethsne	51,33,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-13Rimh.oropropy.ene	3X.,3-,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
l srcon l etrsmh.oride	3X,2.,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-23Rimh.oroethsne	105,0X,2	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
l rimh.oroethene	56,01,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
Ricro^ o^ ethsne	54,63,.	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-1-23 rimh.oroethsne	56,00,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-83Rimh.oropropsne	142,2-,6	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
l etrsmh.oroethene	125,1-,4	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-1-1-23 etrsmh.oroethsne	X.0,20,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
trsng3l-93Rimh.oro323cutene	110,35,X	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
mg31-93Rimh.oro323cutene	145X,11,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-1-2-23 etrsmh.oroethsne	56,.4,3	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3
1-2-83 rimh.oropropsne	6X,1-,4	0l3	v P/hP	<0l3	<0l3	<0l3	<0l3	<0l3

Analytical Results

k DL, MFrb2: COTD		Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
		Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR / Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0G9E: ' s.obensted S.iphstiml o^ poundg 3I ontinued							
/ entsmh.oroethsne	5X,01,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-23Ricro^ o33mh.oropropsne	6X,12,-	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G9U: ' s.obensted Sro^ stiml o^ poundg							
I h.orocen`ene	10-,60,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z ro^ ocen`ene	10-,-X,1	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23I h.oroto.uene	63,46,-	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93I h.oroto.uene	10X,4. ,4	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-2-83I rimh.orocen`ene	-5,X1,X	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G9L: I rihs.o^ ethsneg							
I h.orofor^	X5,XX,.	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z ro^ odimh.oro^ ethsne	53,25,4	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ricro^ omh.oro^ ethsne	124,4-,1	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z ro^ ofor^	53,23,2	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4S: / heno.iml o^ poundg							
/ heno.	10-,63,2	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23I h.oropheno.	63,35,-	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23Methy.pheno.	63,4-,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
83F 93Methy.pheno.	1. 16,55,.	0I3 v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
23Nitropheno.	--,53,3	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2-93Ri^ ethy.pheno.	103,X5,6	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2-93Rimh.oropheno.	120,-. ,2	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2+-3Rimh.oropheno.	-5,X3,0	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93I h.oro33Methy.pheno.	36,30,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2-9+-3 rimh.oropheno.	--,0X,2	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2-9+43 rimh.oropheno.	63,63,4	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ entsmh.oropheno.	-5,-X,3	1 v P/hP	<1	<1	<1	<1	<1
E/ 0G4z: / o.ynumesr Sro^ stim' ydromsrcong							
Nsphths.ene	61,20,.	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23Methy.nsphths.ene	61,35,X	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23I h.oronsphths.ene	61,3-,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Smensphthy.ene	20-,6X,-	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Smensphthene	-. ,. 2,6	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
U.uorene	-X,5. ,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ hensnthrene	-3,01,-	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Snthrsmene	120,12,5	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
U.uorsnthene	20X,44,0	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ yrene	126,00,0	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N23U.uoreny. Smets^ ide	3. ,6X.	0I3 v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3

Analytical Results

k DL, MFrb0: COTD			Client sample ID	SG I 1&2002	SG I 2&2001	SG I 9&2002	SG I 4&2001	SG I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	*CAS Number*	*LOR*	*Unit*	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0G4z : / o.ynumesr Sro^ stim' ydromsrcong 3I ontinued								
z en` (s@nthrsmene	3X,33,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I hrygene	21-,01,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z en` o(c@F z en` o(k@uorsnthene	203,66,2:205,0-,6	1	v P/hP	<1	<1	<1	<1	<1
G4123Ri^ ethy.cen` (s@nthrsmene	35,65,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z en` o(s@yrene	30,. 2,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
83Methy.mho.snthrene	3X,46,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Tndeno(1-2-8-md@yrene	16. ,. 6,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ricen` (s-h@nthrsmene	3. ,50,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z en` o(b-h-i@ery.ene	161,24,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
^: Cu^ of / S' g	,,,,	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4I : / hths.ste Egterg								
Ri^ ethy. phths.ste	1. 1,11,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Riethy. phths.ste	- 4,XX,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ri3n3cuty. phths.ste	- 4,54,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z uty. cen` y. phths.ste	- 3,X-,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
cig(23ethy.hexy.@hths.ste	115,- 1,5	0I3	v P/hP	<3I0	<3I0	<3I0	<3I0	<3I0
Ri3n3omty.phths.ste	115,- 4,0	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4R: Nitrogs^ ineg								
N3Nitrogo^ ethy.ethy.s^ ine	10363,63,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogodiethy.s^ ine	33,1- ,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogopyrro.idine	6. 0,33,2	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
N3Nitrogo^ orpho.ine	36,- 6,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogodi3n3propy.s^ ine	X21,X4,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogopiperidine	100,53,4	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogodicuty.s^ ine	624,1X,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
N3Nitrogodipheny. F Ripheny.s^ ine	- X,. 0,X::122,. 6,4	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
Methspyri.ene	61,- 0,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4E: Nitrosro^ sting snd J etoneg								
23' imo.ine	106,0X,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Smetophenone	6- ,- X,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Nitrocen` ene	6- ,63,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Tgophorone	5- ,36,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
2+3Rinitroto.uene	X0X,20,2	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
2-93Rinitroto.uene	121,14,2	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
13Nsphthy.s^ ine	1. 4,. 2,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93Nitroquino.ine3N3oxide	3X,35,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3

Analytical Results

k DL, MFrb2: COTD			Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR	Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0G4E: Nitrosro^ sting snd J etoneg 3I ontinued								
43Nitro3o3to.uidine	66,33,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
S`ocen`ene	10. , . . ,.	1	v P/hP	<1	<1	<1	<1	<1
1-8-43 rinitrocen`ene	66,. 3,4	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ hensmetin	X2,44,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93S^ inocipheny.	62,X5,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ entsmh.oronitrocen`ene	- 2,X- ,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ rons^ ide	2. 630,3- ,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ri^ ethy.s^ inos`ocen`ene	X0,11,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I h.orocen`i.ste	310,13,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4U: ' s.oetherg								
z ig(23mh.oroethy.@ether	111,44,4	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
z ig(23mh.oroethoxy@' ethsne	111,61,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93I h.oropheny. pheny. ether	5003,52,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93z ro^ opheny. pheny. ether	101,33,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4L : I h.orinsted ' ydromsrcong								
1-83Rimh.orocen`ene	341,5. ,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-93Rimh.orocen`ene	10X,4X,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-23Rimh.orocen`ene	63,30,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' exsmh.oroethsne	X5,52,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
1-2-93 rimh.orocen`ene	120,- 2,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' exsmh.oropropy.ene	1- - - ,51,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' exsmh.orocutsdiene	- 5,X- ,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' exsmh.oromymopentsdiene	55,45,4	0I3	v P/hP	<2I3	<2I3	<2I3	<2I3	<2I3
/ entsmh.orocen`ene	X0- ,6. ,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' exsmh.orocen`ene (' I z@	11- ,54,1	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
E/ 0G4' : Sni.ineg snd z en`idineg								
Sni.ine	X2,3. ,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93I h.orosni.ine	10X,45,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
23Nitrosni.ine	- - ,54,4	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
83Nitrosni.ine	66,06,2	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
Ricen`ofursn	1. 2,X4,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
93Nitrosni.ine	100,01,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I srcs`o.e	- X,54,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
8-6VRimh.orocen`idine	61,64,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0G4T: Orbsnomh.orine / egtimideg								
s.phs3z' I	. 16,- 4,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
cets3z' I	. 16,- 3,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
bs^ ^ s3z' I	3- ,- 6,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3

eFPs	g 10: o13
W th:d bAsb	g EM1201353
y aSi r	g Gd f mEw:Skk d y \STEk
eb jsur	g 115X1. 201:7,RVy

Analytical Results

k DL, MFrb2: COTD			Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
			Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	CAS Number	LOR	Unit	EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 0G4T: Orbsnomh.orine / egtimideg 3I ontinued								
de.ts3z' I	. 16,-X,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' eptsmh.or	5X,44,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
S.drin	. 06,00,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
' eptsmh.or epoxide	1024,35,.	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
s.phs3Endogu.fsn	636,6- ,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
9-9VRRE	52,33,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Rie.drin	X0,35,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Endrin	52,20,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
cets3Endogu.fsn	. . 21. ,X3,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
9-9VRRR	52,34,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Endogu.fsn gu.fste	10. 1,05,-	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
9-9VRRI	30,26,.	0I3	v P/hP	<1I0	<1I0	<1I0	<1I0	<1I0
E/ 0G4X: Orbsnophogphorug / egtimideg								
Rimh.orvog	X2,5. ,5	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ri^ ethoste	X0,31,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ris` inon	. . . ,41,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I h.orpyrifog3^ ethy.	336- ,1. ,0	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ms.sthion	121,53,3	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Uenthion	33,. - ,6	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I h.orpyrifog	2621,- - ,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ iri^ phog3ethy.	2. 303,41,1	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
I h.orfenvinphog	450,60,X	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
/ rothiofog	. 4X4. ,4X,4	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
Ethion	3X. ,12,2	0I3	v P/hP	<0I3	<0I3	<0I3	<0I3	<0I3
E/ 0508G1: I ots. / etro.eu^ ' ydromsrcong								
I - 3I wUrsmtion	,,,,	10	v P/hP	<10	<10	<10	<10	<10
I 10 3I 19 Ursmtion	,,,,	30	v P/hP	<30	<30	<30	<30	<30
I 14 3I 25 Ursmtion	,,,,	100	v P/hP	<100	<100	<100	<100	<100
I 2w3I 8- Ursmtion	,,,,	100	v P/hP	<100	<100	<100	<100	<100
^: I 10 3I 8- Ursmtion (gu^ @	,,,,	30	v P/hP	<30	<30	<30	<30	<30
E/ 0508G1: I ots. Aemoversc.e ' ydromsrcong 3NE/ M 2010 Rrsft								
I - 3I 10 Ursmtion	,,,,	10	v P/hP	<10	<10	<10	<10	<10
>I 10 3I 1- Ursmtion	,,,,	30	v P/hP	<30	<30	<30	<30	<30
>I 1- 3I 89 Ursmtion	,,,,	100	v P/hP	<100	<100	<100	<100	<100
>I 89 3I 90 Ursmtion	,,,,	100	v P/hP	<100	<100	<100	<100	<100
^: >I 10 3I 90 Ursmtion (gu^ @	,,,,	30	v P/hP	<30	<30	<30	<30	<30
E/ 21- : / ermh.orste cy DI &MC								
/ ermh.orste	5X01,60,.	10I0	%P/hP	<10I0	<10I0	<10I0	<10I0	<10I0

Analytical Results

k DL, MFrb2: COTD				Client sample ID	SG/ I 1&2002	SG/ I 2&2001	SG/ I 9&2002	SG/ I 4&2001	SG/ I - &2002
				Client sampling date / time	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00	14,7EO,2012:13g00
Compound	*CAS Number*	*LOR*	*Unit*		EM12014G43002	EM12014G43008	EM12014G43005	EM12014G4300w	EM12014G43012
E/ 281: / erf.uoroomty. Smidg snd Cu.fonsteg+									
/ UOC	15X. ,2. ,1	0I0003	v P/hP		<0I0003	<0I0003	<0I0003	0+000-	0+012w
/ UOS	. . 3,X5,1	0I0003	v P/hP		<0I0003	<0I0003	<0I0003	<0I0003	<0I0003
- :2 U.uorote.o^ er Cu.fonste (- :2 UtC@	25X16,65,2	0I003	v P/hP		<0I003	<0I003	<0I003	<0I003	<0I003
E/ 0- - C: / I z Currobste									
Remsmh.orocipheny.	2031,24,.	0I1	µ		52+8	G5+8	w4+0	52+-	w1+5
E/ 0- 5C: Orbsnomh.orine / egtimide Currobste									
Ricro^ o3RRE	21X33,5. ,2	0I1	µ		55+4	52+0	w1+5	w2+8	109
E/ 0- 5I : Orbsnophogphorug / egtimide Currobste									
REU	5- ,4- ,-	0I1	µ		w1+4	5- +2	54+5	w2+9	102
E/ 0G9C: ° OI Currobsteg									
1+23Rimh.oroethsne3R9	150X0,05,0	0I1	µ		- G+G	- - +G	G1+-	G8+1	54+8
I o.uene3R5	20. 5,2X,3	0I1	µ		G2+9	G0+5	G4+0	G- +1	50+-
93z ro^ of.uorocen` ene	4X0,00,4	0I1	µ		G0+5	- w+-	G9+1	G- +w	G- +0
E/ 0G4C: Smid Extrsmtsc.e Currobsteg									
23U.uoropheno.	. X5,12,4	0I1	µ		G0+-	4G+w	58+5	G8+5	- 1+5
/ heno.3d-	1. 125,- - ,.	0I1	µ		- 2+5	4w+w	G1+-	- 8+G	48+0
23I h.oropheno.3R9	6. 631,5. ,X	0I1	µ		- - +5	4- +-	G1+2	- 8+1	9w+1
2+9+- 3 ricro^ opheno.	11- ,56,X	0I1	µ		G0+5	G8+9	59+0	G5+2	G5+4
E/ 0G4I : z sge&Neutrs. Extrsmtsc.e Currobsteg									
Nitrocen` ene3R4	41X3,X0,0	0I1	µ		- 8+4	48+2	G- +8	G8+0	- 2+8
1+23Rimh.orocen` ene3R9	2166,X6,1	0I1	µ		- 1+4	41+0	G4+8	- - +-	- 2+w
23U.uorocipheny.	. 21,X0,-	0I1	µ		- w+9	- 4+4	G4+9	G5+9	G0+5
Snthrsmene3d10	1516,0X,-	0I1	µ		10-	108	102	wG+1	109
93I erpheny.3d19	151- ,31,0	0I1	µ		ww+5	w0+9	ww+-	100	105
E/ 050C: I / ' (° @ I EK Currobsteg									
1+23Rimh.oroethsne3R9	150X0,05,0	0I1	µ		- 4+G	- 4+-	G2+0	G2+0	59+4
I o.uene3R5	20. 5,2X,3	0I1	µ		G- +-	G9+5	Gw+9	51+-	54+5
93z ro^ of.uorocen` ene	4X0,00,4	0I1	µ		Gw+0	G9+0	50+2	51+5	5- +0

Analytical Results

k DL, MFrb2: COTD			Client sample ID	SG/ I G2G01	,,,,	,,,,	,,,,	,,,,
			Client sampling date / time	14,7EO,2012:13g00	,,,,	,,,,	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM12014G43014	3333	3333	3333	3333
ES044: Moigture I ontent								
Moigture I ontent (dried) 1082I @	,,,,	1I0	µ	<1I0	,,,,	,,,,	,,,,	,,,,
E/ 0G9S: MonomymimSro^ stim' ydromsrcong								
z en`ene	51,4. ,2	0I2	v P/hP	<0I2	,,,,	,,,,	,,,,	,,,,
I o.uene	10- ,-- ,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
Ethy.cen`ene	100,41,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
^ ets3F psrs3Ky.ene	10- ,. - ,. :10X,42,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
Ctyrene	100,42,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
ortho3Ky.ene	63,45,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
Tgopropy.cen`ene	6- ,- 2,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
n3' ropy.cen`ene	10. ,X3,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-8+43 ri^ ethy.cen`ene	10- ,X5,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
gen8z uty.cen`ene	1. 3,6- ,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-2+93 ri^ ethy.cen`ene	63,X. ,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
tert3z uty.cen`ene	6- ,0X,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
p3Tgopropy.to.uene	66,- 5,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
n3z uty.cen`ene	104,31,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9z : Oxybensted I o^ poundg								
° iny. Smetste	10- ,03,4	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
23z utsnone (MEJ@	5- ,6. ,.	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
93Methy.323pentsnone (MTz J@	10- ,10,1	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
23' exsnone (Mz J@	361,5- ,X	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
E/ 0G9I : Cu.fonsted I o^ poundg								
I srcon digu.fide	53,13,0	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9R: Uu^ ibsntg								
2-23Rimh.oropropsne	364,20,5	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-23Rimh.oropropsne	5- ,- 5,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
mig31-83Rimh.oropropy.ene	100X1,01,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
trsng31-83Rimh.oropropy.ene	100X1,02,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-23Ricro^ oethsne (ERz@	10X,6. ,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9E: ' s.obensted S.iphstiml o^ poundg								
Rimh.orodif.uoro^ ethsne	53,51,-	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
I h.oro^ ethsne	54,- 5,.	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
° iny. mh.oride	53,01,4	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
z ro^ o^ ethsne	54,- . ,6	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
I h.oroethsne	53,00,.	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
I rimh.orof.uoro^ ethsne	53,X6,4	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,
1-13Rimh.oroethene	53,. 3,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,

Analytical Results

k DL, MFrb2: COTD	Client sample ID	SG/ I G2G01	,,,,	,,,,	,,,,	,,,,
	Client sampling date / time	14,7EO,2012:13g00	,,,,	,,,,	,,,,	,,,,
Compound	CAS Number	LOR	Unit	EM12014G43014	3333	3333	3333	3333
E/ 0G9E: ' s.obensted S.iphstiml o^ poundg 3I ontinued								
Todo^ ethsne	54,- - ,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
trsng31-23Rimh.oroethene	13X,X0,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-13Rimh.oroethsne	53,. 4,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
mig31-23Rimh.oroethene	13X,36,2	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-1-13 rimh.oroethsne	51,33,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-13Rimh.oropropy.ene	3X. ,3- ,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
I srcon I etrsmh.oride	3X,2. ,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-23Rimh.oroethsne	105,0X,2	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
I rimh.oroethene	56,01,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
Ricro^ o^ ethsne	54,63,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-1-23 rimh.oroethsne	56,00,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-83Rimh.oropropsne	142,2- ,6	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
I etrsmh.oroethene	125,1- ,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-1-1-23 etrsmh.oroethsne	X. 0,20,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
trsng31-93Rimh.oro323cutene	110,35,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
mig31-93Rimh.oro323cutene	145X,11,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-1-2-23 etrsmh.oroethsne	56,. 4,3	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-2-83 rimh.oropropsne	6X,1- ,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
/ entsmh.oroethsne	5X,01,5	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-23Ricro^ o383mh.oropropsne	6X,12,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
' exsmh.orocutsdiene	- 5,X- ,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9U: ' s.obensted Sro^ stiml o^ poundg								
I h.orocen`ene	10- ,60,5	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
z ro^ ocen`ene	10- ,- X,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
23 h.oroto.uene	63,46,-	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
93 h.oroto.uene	10X,4. ,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-83Rimh.orocen`ene	341,5. ,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-93Rimh.orocen`ene	10X,4X,5	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-23Rimh.orocen`ene	63,30,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-2-93 rimh.orocen`ene	120,- 2,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
1-2-83 rimh.orocen`ene	- 5,X1,X	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9L : I rihs.o^ ethsneg								
I h.orofor^	X5,XX,.	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
z ro^ odimh.oro^ ethsne	53,25,4	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
Ricro^ omh.oro^ ethsne	124,4- ,1	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
z ro^ ofor^	53,23,2	0I3	v P/hP	<0I3	,,,,	,,,,	,,,,	,,,,
E/ 0G9' : Nsphths.ene								
Nsphths.ene	61,20,.	3	v P/hP	<3	,,,,	,,,,	,,,,	,,,,

Analytical Results

k DL, MFrb2: COTD	Client sample ID	SG/ I G82G01	,,,,	,,,,	,,,,	,,,,
	Client sampling date / time	14,7EO,2012:13g00	,,,,	,,,,	,,,,	,,,,
Compound	CAS Number / LOR / Unit	EM12014G43014	3333	3333	3333	3333
E/ 0G9C: ° OI Currobsteg						
1-23Rimh.oroethsne3R9	150X0,05,0 / 0I1 / µ	wG2	,,,,	,,,,	,,,,	,,,,
I o.uene3R5	20. 5,2X,3 / 0I1 / µ	w0-2	,,,,	,,,,	,,,,	,,,,
93z ro^ of.uorocen` ene	4X0,00,4 / 0I1 / µ	5w4	,,,,	,,,,	,,,,	,,,,

Surrogate Control Limits

k DL,MFrb0: COTD		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
E/ 0- -C: / l z Currobste			
Remsmh.orocipheny.	2031,24,.	. .	1. .
E/ 0- 5C: Orbsnomh.orine / egtimide Currobste			
Ricro^ o3RRE	21X33,5. ,2	26I-	14X
E/ 0- 5I : Orbsnophogphorug / egtimide Currobste			
REU	5- ,4- ,-	2. I5	14X
E/ 0G9C: ° OI Currobsteg			
1-23Rimh.oroethsne3R9	150X0,05,0	X2	122
I o.uene3R5	20. 5,2X,3	X4	120
93z ro^ of.uorocen` ene	4X0,00,4	XX	124
E/ 0G4C: Smid Extrsmtsc.e Currobsteg			
23U.uoropheno.	. X5,12,4	14	12X
/ heno.3d-	1. 125,- - ,.	12I2	122
23 h.oropheno.3R9	6. 631,5. ,X	14I2	125
2-9+ 3 ricro^ opheno.	11- ,56,X	12I4	1. .
E/ 0G4I : z sge&Neutrs. Extrsmtsc.e Currobsteg			
Nitrocen` ene3R4	41X3,X0,0	12I4	12-
1-23Rimh.orocen` ene3R9	2166,X6,1	11IX	10-
23U.uorocipheny.	. 21,X0,-	1- I5	125
Snthrsmene3d10	1516,0X,-	2- I3	142
93 erpheny.3d19	151- ,31,0	23I-	1. -
E/ 050C: I / ' (° @z I EK Currobsteg			
1-23Rimh.oroethsne3R9	150X0,05,0	35	126
I o.uene3R5	20. 5,2X,3	3-	120
93z ro^ of.uorocen` ene	4X0,00,4	3X	12X

QUALITY CONTROL REPORT

Work Order	: EM1201506	Page	: 1 of 31
Client	: GOLDER ASSOCIATES PTY LTD	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 2131 HAWTHORN WEST VIC, AUSTRALIA 2133	Address	: 4 Westall Rd Springvale VIC Australia 2171
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +61 02 8863 2500	Telephone	: +61-2-8549 9644
Facsimile	: +61 02 8863 2501	Facsimile	: +61-2-8549 9601
Project	: 117612301 F-VIC	QC Level	: NEPM 1999 Schedule B(2) and ALS QCS2 requirement
Site	: F-VIC		
C-O-C number	: ----	Date Samples Received	: 15-FEB-3013
Sampler	: ----	Issue Date	: 37-FEB-3013
Order number	: KA-MELB 223509		
		No. of samples received	: 15
Quote number	: MEQ054633	No. of samples analysed	: 6

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
- Matri; Spike (MS) Report/ Recovery and Acceptance Limits

NATA Accredited Laboratory 835

Accredited for compliance with ISO/IEC 17035.

Signatories

This document has been electronically signed by the authorixed signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 31 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Dilani Fernando	Senior Inorganic Chemist	Melbourne Inorganics
Nancy Wang	Senior Semivolatile Instrument Chemist	Melbourne Inorganics
Nancy Wang	Senior Semivolatile Instrument Chemist	Melbourne Organics
Phalak Inthaksone	Laboratory Manager - Organics	Sydney Organics
Xingbin Lin	Senior Organic Chemist	Melbourne Inorganics
Xingbin Lin	Senior Organic Chemist	Melbourne Organics

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognixed 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 (z) result is higher than the LOR, this may be due to primary sample e; tract 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 matri; interference.

#ey : 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-ENV/28 and are dependent on the magnitude of results in comparison to the level of reporting: Result z 10 times LOR:- No Limit/ Result between 10 and 30 times LOR:- 0% - 50%/ Result > 30 times LOR:- 0% - 30%.

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
ES002 : st uCor(Q7 u8 l Do): 21Ga00l 7									
EM1301550-001	Anonymous	EA003: pH Value	----	0.1	pH Unit	9.1	9.1	0.0	0% - 30%
ES055: MorQbre l oy)ey) u8 l Do): 21GaaPG7									
EM1301575-003	A7PT1G3003	EA055-102: Moisture Content (dried @ 102°C)	----	1.0	%	39.6	39.0	3.3	0% - 30%
EM1301590-004	Anonymous	EA055-102: Moisture Content (dried @ 102°C)	----	1.0	%	9.2	11.3	18.0	0% - 50%
EL005i : i o)-(Me)-(Q8c T vF5EC u8 l Do): 2161P4G7									
EB1304189-001	Anonymous	EK005T: Cadmium	7440-42-9	1	mg/kg	z1	z1	0.0	No Limit
		EK005T: Chromium	7440-47-2	3	mg/kg	14	13	30.3	No Limit
		EK005T: Nickel	7440-03-0	3	mg/kg	z3	3	0.0	No Limit
		EK005T: Arsenic	7440-28-3	5	mg/kg	z5	z5	0.0	No Limit
		EK005T: Copper	7440-50-8	5	mg/kg	z5	z5	0.0	No Limit
		EK005T: Lead	7429-93-1	5	mg/kg	z5	z5	0.0	No Limit
		EK005T: Zinc	7440-66-6	5	mg/kg	z5	5	0.0	No Limit
EM1301807-001	Anonymous	EK005T: Cadmium	7440-42-9	1	mg/kg	z1	z1	0.0	No Limit
		EK005T: Chromium	7440-47-2	3	mg/kg	15	15	0.0	No Limit
		EK005T: Nickel	7440-03-0	3	mg/kg	13	12	10.0	No Limit
		EK005T: Arsenic	7440-28-3	5	mg/kg	64	61	2.8	0% - 50%
		EK005T: Copper	7440-50-8	5	mg/kg	25	35	24.2	No Limit
		EK005T: Lead	7429-93-1	5	mg/kg	51	71	22.8	0% - 50%
		EK005T: Zinc	7440-66-6	5	mg/kg	118	115	3.7	0% - 30%
EL0a5i : i o)-(Aego9er-8(e Mergbrc 8c hTMC u8 l Do): 2161P467									
EB1304189-001	Anonymous	EK025T: Mercury	7429-97-6	0.1	mg/kg	z0.1	z0.1	0.0	No Limit
EM1301807-001	Anonymous	EK025T: Mercury	7429-97-6	0.1	mg/kg	z0.1	0.1	0.0	No Limit
Ev00P: OrB-yrg M-))er u8 l Do): 21G166l 7									
EM1301497-001	Anonymous	EP004: Total Organic Carbon	----	0.5	%	3.1	3.1	0.0	No Limit
EM1301575-008	A7PT4G3003	EP004: Total Organic Carbon	----	0.5	%	0.7	0.6	0.0	No Limit
Ev044: vo(cgp(orry-)ed mrspeyc(Qu vl m7 u8 l Do): 21GGGP67									
EM1301575-003	A7PT1G3003	EP066: Total Polychlorinated biphenyls	----	0.10	mg/kg	z0.10	z0.10	0.0	No Limit
EM1301757-004	Anonymous	EP066: Total Polychlorinated biphenyls	----	0.10	mg/kg	z0.10	z0.10	0.0	No Limit
Ev046S: OrB-yogp(orrye veQrgrdeQuOl 7 u8 l Do): 21GGGPG7									
EM1301575-003	A7PT1G3003	EP068: alpha-BHC	219-84-6	0.05	mg/kg	z0.05	z0.05	0.0	No Limit
		EP068: He; achlorobenxene (HCB)	118-74-1	0.05	mg/kg	z0.05	z0.05	0.0	No Limit
		EP068: beta-BHC	219-85-7	0.05	mg/kg	z0.05	z0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg/kg	z0.05	z0.05	0.0	No Limit
		EP068: delta-BHC	219-86-8	0.05	mg/kg	z0.05	z0.05	0.0	No Limit

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev046S: OrB- yogp(orn ye veQ)rgn deQuOl 7 u8 l Do): 21GGGPG7 Fgoy)n ybed									
EM1301575-003	A7PT1G3003	EP068: Heptachlor	76-44-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Aldrin	209-00-3	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Heptachlor epo; ide	1034-57-2	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: trans-Chlordane	5102-74-3	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: cis-Chlordane	5102-71-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDE	73-55-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin	73-30-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: beta-Endosulfan	22312-65-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDD	73-54-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin aldehyde	7431-92-4	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1021-07-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin ketone	52494-70-5	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDT	50-39-2	0.3	mg0kg	z0.3	z0.3	0.0	No Limit
		EP068: Metho; ychlor	73-42-5	0.3	mg0kg	z0.3	z0.3	0.0	No Limit
EM1301757-004	Anonymous	EP068: alpha-BHC	219-84-6	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: He; achlorobenxene (HCB)	118-74-1	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: beta-BHC	219-85-7	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: gamma-BHC	58-89-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: delta-BHC	219-86-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Aldrin	209-00-3	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Heptachlor epo; ide	1034-57-2	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: trans-Chlordane	5102-74-3	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: cis-Chlordane	5102-71-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDE	73-55-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin	73-30-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: beta-Endosulfan	22312-65-9	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDD	73-54-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin aldehyde	7431-92-4	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1021-07-8	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: Endrin ketone	52494-70-5	0.05	mg0kg	z0.05	z0.05	0.0	No Limit
		EP068: 4.4`-DDT	50-39-2	0.3	mg0kg	z0.3	z0.3	0.0	No Limit
		EP068: Metho; ychlor	73-42-5	0.3	mg0kg	z0.3	z0.3	0.0	No Limit
Ev046m: OrB- yospoQsporbQveQ)rgn deQuOv 7 u8 l Do): 21GGGPG7									
EM1301575-003	A7PT1G3003	EP068: Dichlorvos	63-72-7	0.05	mg0kg	z0.05	z0.05	0.0	No Limit

Sub-Matri; : **COTD**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Ev046m: OrB- yospoQsporbQveQ)rgrdeQuOv7 u8 l Do): 21GGGPG7 Fgoy)nybed									
EM1301575-003	A7PT1G3003	EP068: Demeton-S-methyl	919-86-8	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Dimethoate	60-51-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Diaxinon	222-41-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-12-0	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Malathion	131-75-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Fenthion	55-28-9	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorpyrifos	3931-88-3	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	32505-41-1	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4834-78-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Fenamiphos	33334-93-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Prothiofos	24642-46-4	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Ethion	562-13-3	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Axinphos Methyl	86-50-0	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Monocrotophos	6932-33-4	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
		EP068: Parathion-methyl	398-00-0	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
		EP068: Parathion	56-28-3	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
EM1301757-004	Anonymous	EP068: Dichlorvos	63-72-7	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Demeton-S-methyl	919-86-8	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Dimethoate	60-51-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Diaxinon	222-41-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-12-0	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Malathion	131-75-5	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Fenthion	55-28-9	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorpyrifos	3931-88-3	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	32505-41-1	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4834-78-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Fenamiphos	33334-93-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Prothiofos	24642-46-4	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Ethion	562-13-3	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Axinphos Methyl	86-50-0	0.05	mgQkg	z0.05	z0.05	0.0	No Limit
		EP068: Monocrotophos	6932-33-4	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
		EP068: Parathion-methyl	398-00-0	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
		EP068: Parathion	56-28-3	0.3	mgQkg	z0.3	z0.3	0.0	No Limit
Ev0GPS: Moyogcg(rg SroH -)rg t cdrog-r8oyQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Benxene	71-42-3	0.3	mgQkg	z0.3	z0.3	0.0	No Limit

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev0GPS: Moyogcg(rg SroH-)rg t cdrog-r8oyQ u8 l Do): 21G20257 Fgoy)nybed									
EM1301575-003	A7PT1G3003	EP074: Toluene	108-88-2	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Ethylbenxene	100-41-4	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: meta- & para-Xylene	108-28-2 106-43-2	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Styrene	100-43-5	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: ortho-Xylene	95-47-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Isopropylbenxene	98-83-8	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: n-Propylbenxene	102-65-1	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.2.5-Trimethylbenxene	108-67-8	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: sec-Butylbenxene	125-98-8	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3.4-Trimethylbenxene	95-62-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: tert-Butylbenxene	98-06-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: n-Butylbenxene	104-51-8	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
Ev0GPm: OxcBey-)ed l oH sobydQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Vinyl Acetate	108-05-4	5	mg0kg	z5	z5	0.0	No Limit
		EP074: 3-Butanone (ME#)	78-92-2	5	mg0kg	z5	z5	0.0	No Limit
		EP074: 4-Methyl-3-pentanone (MIB#)	108-10-1	5	mg0kg	z5	z5	0.0	No Limit
		EP074: 3-He; anone (MB#)	591-78-6	5	mg0kg	z5	z5	0.0	No Limit
Ev0GPl : Cb(foy-)ed l oH sobydQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Carbon disulfide	75-15-0	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
Ev0GPR: hbH rB-y)Q u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: 3.3-Dichloropropane	594-30-7	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	78-87-5	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: cis-1.2-Dichloropropylene	10061-01-5	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: trans-1.2-Dichloropropylene	10061-03-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3-Dibromoethane (EDB)	106-92-4	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
Ev0GPE: t-(oBey-)ed S(nsp-)rg l oH sobydQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: 1.1-Dichloroethene	75-25-4	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: trans-1.3-Dichloroethene	156-60-5	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-24-2	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: cis-1.3-Dichloroethene	156-59-3	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	562-58-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-32-5	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3-Dichloroethane	107-06-3	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg0kg	z0.5	z0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-2	0.5	mg0kg	z0.5	z0.5	0.0	No Limit

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev0GPE: t -(oBey-)ed S(rsp-)rg l oH sobydQ u8 l Do): 21G20257 Fgoy)rybed									
EM1301575-003	A7PT1G3003	EP074: 1.1.3-Trichloroethane	79-00-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	143-38-9	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Tetrachloroethene	137-18-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.1.1.3-Tetrachloroethane	620-30-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-3-butene	110-57-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-3-butene	1476-11-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.1.3.3-Tetrachloroethane	79-24-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3.2-Trichloropropane	96-18-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3-Dibromo-2-chloropropane	96-13-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: He; achlorobutadiene	87-68-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	z5	z5	0.0	No Limit
		EP074: Chloromethane	74-87-2	5	mg/kg	z5	z5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	z5	z5	0.0	No Limit
		EP074: Bromomethane	74-82-9	5	mg/kg	z5	z5	0.0	No Limit
		EP074: Chloroethane	75-00-2	5	mg/kg	z5	z5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	z5	z5	0.0	No Limit
Ev0GPh: t -(oBey-)ed SroH-)rg l oH sobydQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Chlorobenxene	108-90-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Bromobenxene	108-86-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 3-Chlorotoluene	95-49-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-42-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.2-Dichlorobenxene	541-72-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.4-Dichlorobenxene	106-46-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3-Dichlorobenxene	95-50-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3.4-Trichlorobenxene	130-83-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: 1.3.2-Trichlorobenxene	87-61-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
Ev0GPL: i rrp-(oH e)p-yeQ u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Chloroform	67-66-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-37-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Dibromochloromethane	134-48-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP074: Bromoform	75-35-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
Ev0GPt: N-sp)p-(eye u8 l Do): 21G20257									
EM1301575-003	A7PT1G3003	EP074: Naphthalene	91-30-2	5	mg/kg	z5	z5	0.0	No Limit
Ev0G5S: vpeyo(rg l oH sobydQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Phenol	108-95-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3-Chlorophenol	95-57-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3-Methylphenol	95-48-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 2- & 4-Methylphenol	1219-77-2	0.5	mg/kg	z1.0	z1.0	0.0	No Limit

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev0G5S: vpeyo(rg l oHsobydQ u8 l Do): 21GGG507 Fgoy)rybed									
EM1301575-003	A7PT1G3003	EP075: 3-Nitrophenol	88-75-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.4-Dimethylphenol	105-67-9	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.4-Dichlorophenol	130-82-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.6-Dichlorophenol	87-65-0	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 4-Chloro-2-Methylphenol	59-50-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.4.6-Trichlorophenol	88-06-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Pentachlorophenol	87-86-5	1	mg/kg	z1	z1	0.0	No Limit
Ev0G5m: vo(cybg(e-r SroH-)rg t cdrog-r8oyQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Naphthalene	91-30-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3-Methylnaphthalene	91-57-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3-Chloronaphthalene	91-58-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Acenaphthylene	308-96-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Acenaphthene	82-23-9	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Fluorene	86-72-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Phenanthrene	85-01-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Anthracene	130-13-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Fluoranthene	306-44-0	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Pyrene	139-00-0	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-3-Fluorenyl Acetamide	52-96-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Benx(a)anthracene	56-55-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Chrysene	318-01-9	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 7.13-Dimethylbenx(a)anthracene	57-97-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Benxo(a)pyrene	50-23-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 2-Methylcholanthrene	56-49-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Indeno(1.3.2.cd)pyrene	192-29-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Dibenx(a.h)anthracene	52-70-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Benxo(g.h.i)perylene	191-34-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Sum of PAHs	---	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Benxo(b) & Benxo(k)fluoranthene	305-99-3 307-08-9	1	mg/kg	z1	z1	0.0	No Limit
Ev0G5l : vp)p-(-)e EQ)erQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Dimethyl phthalate	121-11-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Diethyl phthalate	84-66-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Di-n-butyl phthalate	84-74-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Butyl benxyl phthalate	85-68-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: bis(3-ethylhe; yl) phthalate	117-81-7	0.5	mg/kg	z5.0	z5.0	0.0	No Limit
		EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
Ev0G5R: Nr)roQ-HryeQ u8 l Do): 21GGG507									

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev0G5R: Nr)roQ-HryeQ uß l Do): 21GGG507 Fgoy)rybed									
EM1301575-003	A7PT1G3003	EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosopyrrolidine	920-55-3	0.5	mg/kg	z1.0	z1.0	0.0	No Limit
		EP075: N-Nitrosomorpholine	59-89-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosodi-n-propylamine	631-64-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosodibutylamine	934-16-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: N-Nitrosodiphenyl & Diphenylamine	86-20-6 133-29-4	0.5	mg/kg	z1.0	z1.0	0.0	No Limit
		EP075: Methapyrilene	91-80-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
Ev0G5E: Nr)ro-roH-)rgQ-yd Ke)oyeQ uß l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: 3-Picoline	109-06-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Acetophenone	98-86-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Nitrobenxene	98-95-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Isophorone	78-59-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 3.6-Dinitrotoluene	606-30-3	0.5	mg/kg	z1.0	z1.0	0.0	No Limit
		EP075: 3.4-Dinitrotoluene	131-14-3	0.5	mg/kg	z1.0	z1.0	0.0	No Limit
		EP075: 1-Naphthylamine	124-23-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 4-Nitroquinoline-N-o; ide	56-57-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 1.2.5-Trinitrobenxene	99-25-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Phenacetin	63-44-3	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 4-Aminobiphenyl	93-67-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Pentachloronitrobenxene	83-68-8	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Pronamide	32950-58-5	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Dimethylaminoaxobenxene	60-11-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Chlorobenxilate	510-15-6	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Axobenxene	102-22-2	1	mg/kg	z1	z1	0.0	No Limit
Ev0G5h: t-(oe)perQ uß l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Bis(3-chloroethyl) ether	111-44-4	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: Bis(3-chloroetho; y) methane	111-91-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 4-Chlorophenyl phenyl ether	7005-73-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 4-Bromophenyl phenyl ether	101-55-2	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
Ev0G5L: l p(orry-)ed t cdrog-r8oyQ uß l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: 1.2-Dichlorobenxene	541-72-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 1.4-Dichlorobenxene	106-46-7	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 1.3-Dichlorobenxene	95-50-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: He; achloroethane	67-73-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit
		EP075: 1.3.4-Trichlorobenxene	130-83-1	0.5	mg/kg	z0.5	z0.5	0.0	No Limit

Sub-Matri; : COTD

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
Ev0G5L: I p(orny-)ed t cdrog-r8oyQ u8 l Do): 21GGG507 Fgoy)nybed									
EM1301575-003	A7PT1G3003	EP075: He; achloropropylene	1888-71-7	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: He; achlorobutadiene	87-68-2	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: He; achlorocyclopentadiene	77-47-4	0.5	mg8g	z3.5	z3.5	0.0	No Limit
		EP075: Pentachlorobenxene	608-92-5	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: He; achlorobenxene (HCB)	118-74-1	0.5	mg8g	z1.0	z1.0	0.0	No Limit
Ev0G5t : Syr(nyeQ-yd meyzrdnyeQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Aniline	63-52-2	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 4-Chloroaniline	106-47-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 3-Nitroaniline	88-74-4	0.5	mg8g	z1.0	z1.0	0.0	No Limit
		EP075: 2-Nitroaniline	99-09-3	0.5	mg8g	z1.0	z1.0	0.0	No Limit
		EP075: Dibenxofuran	123-64-9	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 4-Nitroaniline	100-01-6	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Carbaxole	86-74-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 2.2`-Dichlorobenxidine	91-94-1	0.5	mg8g	z0.5	z0.5	0.0	No Limit
Ev0G5T OrB-yogp(orrye veQ)rgrndeQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: alpha-BHC	219-84-6	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: beta-BHC	219-85-7	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: gamma-BHC	58-89-9	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: delta-BHC	219-86-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Heptachlor	76-44-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Aldrin	209-00-3	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Heptachlor epo; ide	1034-57-2	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: alpha-Endosulfan	959-98-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 4.4`-DDE	73-55-9	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Dieldrin	60-57-1	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Endrin	73-30-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: beta-Endosulfan	22312-65-9	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 4.4`-DDD	73-54-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Endosulfan sulfate	1021-07-8	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: 4.4`-DDT	50-39-2	0.5	mg8g	z1.0	z1.0	0.0	No Limit
Ev0G5J: OrB-yospoQsporbQveQ)rgrndeQ u8 l Do): 21GGG507									
EM1301575-003	A7PT1G3003	EP075: Dichlorvos	63-72-7	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Dimethoate	60-51-5	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Diaxinon	222-41-5	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Chlorpyrifos-methyl	5598-12-0	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Malathion	131-75-5	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Fenthion	55-28-9	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Chlorpyrifos	3931-88-3	0.5	mg8g	z0.5	z0.5	0.0	No Limit
		EP075: Pirimphos-ethyl	32505-41-1	0.5	mg8g	z0.5	z0.5	0.0	No Limit

Sub-Matri; : **COTD**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Ev0G5J: OrB-yospoQsporbQveQ)rgndeQ u8 l Do): 21GGG507 Fgoy)ıybed									
EM1301575-003	A7PT1G3003	EP075: Chlorfenvinphos	470-90-6	0.5	mgŒg	z0.5	z0.5	0.0	No Limit
		EP075: Prothiofos	24642-46-4	0.5	mgŒg	z0.5	z0.5	0.0	No Limit
		EP075: Ethion	562-13-3	0.5	mgŒg	z0.5	z0.5	0.0	No Limit
Ev060/0G1: i o)-(ve)ro(ebH t cdrog-r8oyQ u8 l Do): 21G202P7									
EM1301575-003	A7PT1G3003	EP080: C6 - C9 Fraction	---	10	mgŒg	z10	z10	0.0	No Limit
Ev060/0G1: i o)-(ve)ro(ebH t cdrog-r8oyQ u8 l Do): 2161a157									
EB1304189-001	Anonymous	EP071: C15 - C38 Fraction	---	100	mgŒg	1430	1380	10.7	0% - 50%
		EP071: C39 - C26 Fraction	---	100	mgŒg	250	210	13.5	No Limit
		EP071: C10 - C14 Fraction	---	50	mgŒg	5540	5420	3.0	0% - 30%
		EP071: C10 - C26 Fraction (sum)	---	50	mgŒg	7210	7030	4.0	0% - 30%
EM1301812-002	Anonymous	EP071: C15 - C38 Fraction	---	100	mgŒg	z100	z100	0.0	No Limit
		EP071: C39 - C26 Fraction	---	100	mgŒg	z100	z100	0.0	No Limit
		EP071: C10 - C14 Fraction	---	50	mgŒg	z50	z50	0.0	No Limit
		EP071: C10 - C26 Fraction (sum)	---	50	mgŒg	z50	z50	0.0	No Limit
Ev060/0G1: i o)-(Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) u8 l Do): 21G202P7									
EM1301575-003	A7PT1G3003	EP080: C6 - C10 Fraction	---	10	mgŒg	z10	z10	0.0	No Limit
Ev060/0G1: i o)-(Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) u8 l Do): 2161a157									
EB1304189-001	Anonymous	EP071: >C16 - C24 Fraction	---	100	mgŒg	1070	920	14.1	No Limit
		EP071: >C24 - C40 Fraction	---	100	mgŒg	740	700	4.6	No Limit
		EP071: >C10 - C16 Fraction	---	50	mgŒg	6330	6070	3.4	0% - 30%
		EP071: >C10 - C40 Fraction (sum)	---	50	mgŒg	8020	7700	4.3	0% - 30%
EM1301812-002	Anonymous	EP071: >C16 - C24 Fraction	---	100	mgŒg	z100	z100	0.0	No Limit
		EP071: >C24 - C40 Fraction	---	100	mgŒg	z100	z100	0.0	No Limit
		EP071: >C10 - C16 Fraction	---	50	mgŒg	z50	z50	0.0	No Limit
		EP071: >C10 - C40 Fraction (sum)	---	50	mgŒg	z50	z50	0.0	No Limit
Ev214: vergp(or-)e 8c Dl /MC u8 l Do): 21Ga1P27									
EM1301575-003	A7PT1G3003	EP316: Perchlorate	7601-90-2	10.0	µgŒg	z10.0	z10.0	0.0	No Limit
Ev2a1: verf(boroog)c(SgndQ-yd Cb(foy-)eQ u8 l Do): 21G55Ga7									
EM1301441-001	Anonymous	EP321: PFOS	1762-32-1	0.0005	mgŒg	0.387	0.379	2.0	0% - 30%
		EP321: PFOA	225-67-1	0.0005	mgŒg	0.0076	0.0085	10.9	0% - 50%
		EP321: 6:3 Fluorotelomer Sulfonate (6:3 FtS)	37619-97-3	0.005	mgŒg	0.026	0.039	30.2	No Limit
EM1301575-009	A7PT5G3001	EP321: PFOS	1762-32-1	0.0005	mgŒg	0.0006	0.0007	17.8	No Limit
		EP321: PFOA	225-67-1	0.0005	mgŒg	z0.0005	z0.0005	0.0	No Limit
		EP321: 6:3 Fluorotelomer Sulfonate (6:3 FtS)	37619-97-3	0.005	mgŒg	z0.005	z0.005	0.0	No Limit

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method G Laboratory Blank refers to an analyte free matri; to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matri; spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matri; . Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matri; : **COTD**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EL005i : i o)-(Me)-(Q8c T vF5EC u8 l Do): 2161P4G7								
EK005T: Arsenic	7440-28-3	5	mg®kg	z5	12.6 mg®kg	130	74	123
EK005T: Cadmium	7440-42-9	1	mg®kg	z1	3.8 mg®kg	108	71	132
EK005T: Chromium	7440-47-2	3	mg®kg	z3	60.9 mg®kg	114	72	135
EK005T: Copper	7440-50-8	5	mg®kg	z5	55.1 mg®kg	111	74	134
EK005T: Lead	7429-93-1	5	mg®kg	z5	54.9 mg®kg	114	74	136
EK005T: Nickel	7440-03-0	3	mg®kg	z3	55.1 mg®kg	117	74	138
EK005T: Zinc	7440-66-6	5	mg®kg	z5	105 mg®kg	99.1	74	134
EL0a5i : i o)-(Aego9er-8(e Mergbrc 8c hTMC u8 l Do): 2161P467								
EK025T: Mercury	7429-97-6	0.1	mg®kg	z0.1	1.47 mg®kg	102	64	116
Ev00P: OrB-yrg M-))er u8 l Do): 21G166l 7								
EP004: Total Organic Carbon	----	0.5	%	z0.5	42.5 %	98.0	94	118
Ev044: vo(cgp(orry-)ed mrspeyc(Quw l m7 u8 l Do): 21GGGP67								
EP066: Total Polychlorinated biphenyls	----	0.1	mg®kg	z0.10	1.34 mg®kg	86.4	55	125
Ev046S: OrB-yogp(orrye veQ)rgrdeQuOl 7 u8 l Do): 21GGGPG7								
EP068: alpha-BHC	219-84-6	0.05	mg®kg	z0.05	0.5 mg®kg	96.7	53	122
EP068: He; achlorobenxene (HCB)	118-74-1	0.05	mg®kg	z0.05	0.5 mg®kg	92.0	50	123
EP068: beta-BHC	219-85-7	0.05	mg®kg	z0.05	0.5 mg®kg	79.2	50	128
EP068: gamma-BHC	58-89-9	0.05	mg®kg	z0.05	0.5 mg®kg	92.1	54	123
EP068: delta-BHC	219-86-8	0.05	mg®kg	z0.05	0.5 mg®kg	88.3	51	122
EP068: Heptachlor	76-44-8	0.05	mg®kg	z0.05	0.5 mg®kg	98.4	51	124
EP068: Aldrin	209-00-3	0.05	mg®kg	z0.05	0.5 mg®kg	93.4	53	122
EP068: Heptachlor epo; ide	1034-57-2	0.05	mg®kg	z0.05	0.5 mg®kg	94.5	54	126
EP068: trans-Chlordane	5102-74-3	0.05	mg®kg	z0.05	0.5 mg®kg	93.4	52	126
EP068: alpha-Endosulfan	959-98-8	0.05	mg®kg	z0.05	0.5 mg®kg	97.6	52	122
EP068: cis-Chlordane	5102-71-9	0.05	mg®kg	z0.05	0.5 mg®kg	93.8	53	127
EP068: Dieldrin	60-57-1	0.05	mg®kg	z0.05	0.5 mg®kg	92.1	49	123
EP068: 4.4`-DDE	73-55-9	0.05	mg®kg	z0.05	0.5 mg®kg	87.3	52	124
EP068: Endrin	73-30-8	0.05	mg®kg	z0.05	0.5 mg®kg	100	45	141
EP068: beta-Endosulfan	22312-65-9	0.05	mg®kg	z0.05	0.5 mg®kg	98.5	54	123
EP068: 4.4`-DDD	73-54-8	0.05	mg®kg	z0.05	0.5 mg®kg	90.6	53	126
EP068: Endrin aldehyde	7431-92-4	0.05	mg®kg	z0.05	0.5 mg®kg	81.2	49	125
EP068: Endosulfan sulfate	1021-07-8	0.05	mg®kg	z0.05	0.5 mg®kg	97.8	49	143
EP068: 4.4`-DDT	50-39-2	0.3	mg®kg	z0.3	0.5 mg®kg	104	40	146
EP068: Endrin ketone	52494-70-5	0.05	mg®kg	z0.05	0.5 mg®kg	92.4	51	127

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev046S: OrB- yogp(orrye veQrgrdeQuOl 7 u8 l Do): 21GGGPG7 Fgoy)rybed								
EP068: Metho; ychlor	73-42-5	0.3	mgQkg	z0.3	0.5 mgQkg	100	28	149
Ev046m: OrB- yospoQsporbQveQrgrdeQuOv7 u8 l Do): 21GGGPG7								
EP068: Dichlorvos	63-72-7	0.05	mgQkg	z0.05	0.5 mgQkg	81.5	25	127
EP068: Demeton-S-methyl	919-86-8	0.05	mgQkg	z0.05	0.5 mgQkg	58.5	36.8	140
EP068: Monocrotophos	6932-33-4	0.3	mgQkg	z0.3	0.5 mgQkg	80.7	10	185
EP068: Dimethoate	60-51-5	0.05	mgQkg	z0.05	0.5 mgQkg	99.1	46	144
EP068: Diaxinon	222-41-5	0.05	mgQkg	z0.05	0.5 mgQkg	96.4	50	124
EP068: Chlorpyrifos-methyl	5598-12-0	0.05	mgQkg	z0.05	0.5 mgQkg	94.6	53	124
EP068: Parathion-methyl	398-00-0	0.3	mgQkg	z0.3	0.5 mgQkg	96.3	50	127
EP068: Malathion	131-75-5	0.05	mgQkg	z0.05	0.5 mgQkg	95.3	46	140
EP068: Fenthion	55-28-9	0.05	mgQkg	z0.05	0.5 mgQkg	83.2	50	124
EP068: Chlorpyrifos	3931-88-3	0.05	mgQkg	z0.05	0.5 mgQkg	93.8	53	124
EP068: Parathion	56-28-3	0.3	mgQkg	z0.3	0.5 mgQkg	93.0	47	129
EP068: Pirimphos-ethyl	32505-41-1	0.05	mgQkg	z0.05	0.5 mgQkg	93.6	48	127
EP068: Chlorfenvinphos	470-90-6	0.05	mgQkg	z0.05	0.5 mgQkg	91.8	48	142
EP068: Bromophos-ethyl	4834-78-6	0.05	mgQkg	z0.05	0.5 mgQkg	92.7	53	126
EP068: Fenamiphos	33334-93-6	0.05	mgQkg	z0.05	0.5 mgQkg	79.0	27	126
EP068: Prothiofos	24642-46-4	0.05	mgQkg	z0.05	0.5 mgQkg	92.4	50	126
EP068: Ethion	562-13-3	0.05	mgQkg	z0.05	0.5 mgQkg	93.2	50	126
EP068: Carbophenothion	786-19-6	0.05	mgQkg	z0.05	0.5 mgQkg	91.2	47	128
EP068: Axinphos Methyl	86-50-0	0.05	mgQkg	z0.05	0.5 mgQkg	111	19.6	170
Ev0GPS: Moyogcg(rg SroH -)rg t cdrog- r8oyQ u8 l Do): 21G20257								
EP074: Benxene	71-42-3	0.3	mgQkg	z0.3	1 mgQkg	86.7	75	131
EP074: Toluene	108-88-2	0.5	mgQkg	z0.5	1 mgQkg	95.1	76	134
EP074: Ethylbenxene	100-41-4	0.5	mgQkg	z0.5	1 mgQkg	90.5	74	118
EP074: meta- & para-Xylene	108-28-2 106-43-2	0.5	mgQkg	z0.5	3 mgQkg	91.4	75	131
EP074: Styrene	100-43-5	0.5	mgQkg	z0.5	1 mgQkg	82.0	64	130
EP074: ortho-Xylene	95-47-6	0.5	mgQkg	z0.5	1 mgQkg	91.5	77	131
EP074: Isopropylbenxene	98-83-8	0.5	mgQkg	z0.5	1 mgQkg	91.7	74	130
EP074: n-Propylbenxene	102-65-1	0.5	mgQkg	z0.5	1 mgQkg	87.4	65	117
EP074: 1.2.5-Trimethylbenxene	108-67-8	0.5	mgQkg	z0.5	1 mgQkg	90.5	65	117
EP074: sec-Butylbenxene	125-98-8	0.5	mgQkg	z0.5	1 mgQkg	91.5	67	117
EP074: 1.3.4-Trimethylbenxene	95-62-6	0.5	mgQkg	z0.5	1 mgQkg	88.7	66	117
EP074: tert-Butylbenxene	98-06-6	0.5	mgQkg	z0.5	1 mgQkg	91.0	68	116
EP074: p-Isopropyltoluene	99-87-6	0.5	mgQkg	z0.5	1 mgQkg	89.0	64	117
EP074: n-Butylbenxene	104-51-8	0.5	mgQkg	z0.5	1 mgQkg	80.2	59	115
Ev0GPm: OxcBey-)ed l oH sobydQ u8 l Do): 21G20257								
EP074: Vinyl Acetate	108-05-4	5	mgQkg	z5	10 mgQkg	76.3	40	128

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
Ev0GPm: OxcBey-)ed l oH sobydQ u8 l Do): 21G20257 Fgoy)nybed								
EP074: 3-Butanone (ME#)	78-92-2	5	mg/kg	z5	10 mg/kg	98.2	61	142
EP074: 4-Methyl-3-pentanone (MIB#)	108-10-1	5	mg/kg	z5	10 mg/kg	86.8	62	127
EP074: 3-He; anone (MB#)	591-78-6	5	mg/kg	z5	10 mg/kg	87.8	62	122
Ev0GPl : Cb(foy-)ed l oH sobydQ u8 l Do): 21G20257								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	z0.5	1 mg/kg	63.8	57	131
Ev0GPR: hbH rB-y)Q u8 l Do): 21G20257								
EP074: 3.3-Dichloropropane	594-30-7	0.5	mg/kg	z0.5	1 mg/kg	= 140	51	120
EP074: 1.3-Dichloropropane	78-87-5	0.5	mg/kg	z0.5	1 mg/kg	88.5	72	131
EP074: cis-1.2-Dichloropropylene	10061-01-5	0.5	mg/kg	z0.5	1 mg/kg	77.9	59	109
EP074: trans-1.2-Dichloropropylene	10061-03-6	0.5	mg/kg	z0.5	1 mg/kg	73.9	53	110
EP074: 1.3-Dibromoethane (EDB)	106-92-4	0.5	mg/kg	z0.5	1 mg/kg	94.3	68	130
Ev0GPE: t -(oBey-)ed S(rsp-)rg l oH sobydQ u8 l Do): 21G20257								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	z5	10 mg/kg	83.2	24	133
EP074: Chloromethane	74-87-2	5	mg/kg	z5	10 mg/kg	94.0	53	122
EP074: Vinyl chloride	75-01-4	5	mg/kg	z5	10 mg/kg	91.1	47	122
EP074: Bromomethane	74-82-9	5	mg/kg	z5	10 mg/kg	90.1	29	116
EP074: Chloroethane	75-00-2	5	mg/kg	z5	10 mg/kg	101	42	127
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	z5	10 mg/kg	75.3	61	136
EP074: 1.1-Dichloroethene	75-25-4	0.5	mg/kg	z0.5	1 mg/kg	63.1	63	134
EP074: Iodomethane	74-88-4	0.5	mg/kg	z0.5	1 mg/kg	60.3	47	116
EP074: trans-1.3-Dichloroethene	156-60-5	0.5	mg/kg	z0.5	1 mg/kg	85.0	69	119
EP074: 1.1-Dichloroethane	75-24-2	0.5	mg/kg	z0.5	1 mg/kg	91.2	70	130
EP074: cis-1.3-Dichloroethene	156-59-3	0.5	mg/kg	z0.5	1 mg/kg	87.4	73	130
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	z0.5	1 mg/kg	84.4	64	113
EP074: 1.1-Dichloropropylene	562-58-6	0.5	mg/kg	z0.5	1 mg/kg	87.4	71	117
EP074: Carbon Tetrachloride	56-32-5	0.5	mg/kg	z0.5	1 mg/kg	79.0	51	106
EP074: 1.3-Dichloroethane	107-06-3	0.5	mg/kg	z0.5	1 mg/kg	90.0	70	136
EP074: Trichloroethene	79-01-6	0.5	mg/kg	z0.5	1 mg/kg	88.3	71	130
EP074: Dibromomethane	74-95-2	0.5	mg/kg	z0.5	1 mg/kg	84.2	70	133
EP074: 1.1.3-Trichloroethane	79-00-5	0.5	mg/kg	z0.5	1 mg/kg	94.2	72	135
EP074: 1.2-Dichloropropane	143-38-9	0.5	mg/kg	z0.5	1 mg/kg	94.5	75	135
EP074: Tetrachloroethene	137-18-4	0.5	mg/kg	z0.5	1 mg/kg	87.6	71	130
EP074: 1.1.1.3-Tetrachloroethane	620-30-6	0.5	mg/kg	z0.5	1 mg/kg	80.9	54	106
EP074: trans-1.4-Dichloro-3-butene	110-57-6	0.5	mg/kg	z0.5	1 mg/kg	89.0	46	113
EP074: cis-1.4-Dichloro-3-butene	1476-11-5	0.5	mg/kg	z0.5	1 mg/kg	= 124	31.8	117
EP074: 1.1.3.3-Tetrachloroethane	79-24-5	0.5	mg/kg	z0.5	1 mg/kg	97.5	71	121
EP074: 1.3.2-Trichloropropane	96-18-4	0.5	mg/kg	z0.5	1 mg/kg	111	70	124
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	z0.5	1 mg/kg	72.2	40	94
EP074: 1.3-Dibromo-2-chloropropane	96-13-8	0.5	mg/kg	z0.5	1 mg/kg	82.7	41	112

Sub-Matri; : **COTD**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev0GPE: t -(oBey-)ed S(nsp-)rgl oHsobydQ ußl Do): 21G20257 Fgoy)nybed								
EP074: He; achlorobutadiene	87-68-2	0.5	mgGkg	z0.5	1 mgGkg	86.6	40	137
Ev0GPh: t -(oBey-)ed SroH-)rgl oHsobydQ ußl Do): 21G20257								
EP074: Chlorobenxene	108-90-7	0.5	mgGkg	z0.5	1 mgGkg	94.4	78	130
EP074: Bromobenxene	108-86-1	0.5	mgGkg	z0.5	1 mgGkg	90.8	68	116
EP074: 3-Chlorotoluene	95-49-8	0.5	mgGkg	z0.5	1 mgGkg	90.3	67	117
EP074: 4-Chlorotoluene	106-42-4	0.5	mgGkg	z0.5	1 mgGkg	88.4	67	115
EP074: 1.2-Dichlorobenxene	541-72-1	0.5	mgGkg	z0.5	1 mgGkg	87.8	69	115
EP074: 1.4-Dichlorobenxene	106-46-7	0.5	mgGkg	z0.5	1 mgGkg	97.4	70	116
EP074: 1.3-Dichlorobenxene	95-50-1	0.5	mgGkg	z0.5	1 mgGkg	92.0	73	116
EP074: 1.3.4-Trichlorobenxene	130-83-1	0.5	mgGkg	z0.5	1 mgGkg	78.7	49	118
EP074: 1.3.2-Trichlorobenxene	87-61-6	0.5	mgGkg	z0.5	1 mgGkg	89.7	60	130
Ev0GPL: i rrp-(oHe)p-yeQ ußl Do): 21G20257								
EP074: Chloroform	67-66-2	0.5	mgGkg	z0.5	1 mgGkg	85.2	71	131
EP074: Bromodichloromethane	75-37-4	0.5	mgGkg	z0.5	1 mgGkg	90.4	60	108
EP074: Dibromochloromethane	134-48-1	0.5	mgGkg	z0.5	1 mgGkg	91.7	48	104
EP074: Bromoform	75-35-3	0.5	mgGkg	z0.5	1 mgGkg	80.7	40	106
Ev0GPt: N-sp)p-(eye ußl Do): 21G20257								
EP074: Naphthalene	91-30-2	5	mgGkg	z5	1 mgGkg	88.3	61	123
Ev0G5S: vpeyo(rgl oHsobydQ ußl Do): 21GGG507								
EP075: Phenol	108-95-3	0.5	mgGkg	z0.5	3.5 mgGkg	95.4	28	128
EP075: 3-Chlorophenol	95-57-8	0.5	mgGkg	z0.5	3.5 mgGkg	78.6	29	139
EP075: 3-Methylphenol	95-48-7	0.5	mgGkg	z0.5	3.5 mgGkg	76.0	22	123
EP075: 2- & 4-Methylphenol	1219-77-2	0.5	mgGkg	z1.0	3.5 mgGkg	96.9	25	121
EP075: 3-Nitrophenol	88-75-5	0.5	mgGkg	z0.5	3.5 mgGkg	78.2	21	121
EP075: 3.4-Dimethylphenol	105-67-9	0.5	mgGkg	z0.5	3.5 mgGkg	93.2	10	125
EP075: 3.4-Dichlorophenol	130-82-3	0.5	mgGkg	z0.5	3.5 mgGkg	80.3	25	122
EP075: 3.6-Dichlorophenol	87-65-0	0.5	mgGkg	z0.5	3.5 mgGkg	83.5	26	123
EP075: 4-Chloro-2-Methylphenol	59-50-7	0.5	mgGkg	z0.5	3.5 mgGkg	92.0	29	142
EP075: 3.4.6-Trichlorophenol	88-06-3	0.5	mgGkg	z0.5	3.5 mgGkg	74.0	24	128
EP075: 3.4.5-Trichlorophenol	95-95-4	0.5	mgGkg	z0.5	3.5 mgGkg	108	20.3	143
EP075: Pentachlorophenol	87-86-5	1.0	mgGkg	z1	3.5 mgGkg	84.8	14	126
Ev0G5m: vo(cybg(e-r SroH-)rgt cdrog-r8oyQ ußl Do): 21GGG507								
EP075: Naphthalene	91-30-2	0.5	mgGkg	z0.5	3.5 mgGkg	80.2	29	138
EP075: 3-Methylnaphthalene	91-57-6	0.5	mgGkg	z0.5	3.5 mgGkg	82.0	40	126
EP075: 3-Chloronaphthalene	91-58-7	0.5	mgGkg	z0.5	3.5 mgGkg	66.4	39.5	127
EP075: Acenaphthylene	308-96-8	0.5	mgGkg	z0.5	3.5 mgGkg	78.8	28	128
EP075: Acenaphthene	82-23-9	0.5	mgGkg	z0.5	3.5 mgGkg	80.8	45	122
EP075: Fluorene	86-72-7	0.5	mgGkg	z0.5	3.5 mgGkg	81.3	47	127

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
Ev0G5m: vo(cybg(e-r SroH-)rgt cdrog-r8oyQ u8l Do): 21GGG507 Fgoy)nybed								
EP075: Phenanthrene	85-01-8	0.5	mgQkg	z0.5	3.5 mgQkg	84.7	45	122
EP075: Anthracene	130-13-7	0.5	mgQkg	z0.5	3.5 mgQkg	89.8	44	120
EP075: Fluoranthene	306-44-0	0.5	mgQkg	z0.5	3.5 mgQkg	89.9	46	128
EP075: Pyrene	139-00-0	0.5	mgQkg	z0.5	3.5 mgQkg	86.4	42	145
EP075: N-3-Fluorenyl Acetamide	52-96-2	0.5	mgQkg	z0.5	3.5 mgQkg	87.4	42	142
EP075: Benx(a)anthracene	56-55-2	0.5	mgQkg	z0.5	3.5 mgQkg	86.0	42	129
EP075: Chrysene	318-01-9	0.5	mgQkg	z0.5	3.5 mgQkg	91.1	43	140
EP075: Benxo(b) & Benxo(k)fluoranthene	305-99-3 307-08-9	1	mgQkg	z1	5 mgQkg	90.1	42	129
EP075: 7.13-Dimethylbenx(a)anthracene	57-97-6	0.5	mgQkg	z0.5	3.5 mgQkg	87.8	40	154
EP075: Benxo(a)pyrene	50-23-8	0.5	mgQkg	z0.5	3.5 mgQkg	86.3	28	128
EP075: 2-Methylcholanthrene	56-49-5	0.5	mgQkg	z0.5	3.5 mgQkg	81.2	46	163
EP075: Indeno(1.3.2.cd)pyrene	192-29-5	0.5	mgQkg	z0.5	3.5 mgQkg	110	49	159
EP075: Dibenx(a.h)anthracene	52-70-2	0.5	mgQkg	z0.5	3.5 mgQkg	102	49	157
EP075: Benxo(g.h.i)perylene	191-34-3	0.5	mgQkg	z0.5	3.5 mgQkg	132	48	158
EP075: Sum of PAHs	----	0.5	mgQkg	z0.5	----	----	----	----
Ev0G5l : vp)p-(-)e EQjerQ u8l Do): 21GGG507								
EP075: Dimethyl phthalate	121-11-2	0.5	mgQkg	z0.5	3.5 mgQkg	82.8	40	143
EP075: Diethyl phthalate	84-66-3	0.5	mgQkg	z0.5	3.5 mgQkg	85.9	48	140
EP075: Di-n-butyl phthalate	84-74-3	0.5	mgQkg	z0.5	3.5 mgQkg	95.7	28	169
EP075: Butyl benxyl phthalate	85-68-7	0.5	mgQkg	z0.5	3.5 mgQkg	93.0	43	140
EP075: bis(3-ethylhe; yl) phthalate	117-81-7	0.5	mgQkg	z5.0	3.5 mgQkg	114	47	155
EP075: Di-n-octylphthalate	117-84-0	0.5	mgQkg	z0.5	3.5 mgQkg	93.5	47	127
Ev0G5R: Nj)roQ-HryeQ u8l Do): 21GGG507								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mgQkg	z0.5	3.5 mgQkg	103	16.3	126
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mgQkg	z0.5	3.5 mgQkg	98.4	22	123
EP075: N-Nitrosopyrrolidine	920-55-3	0.5	mgQkg	z1.0	3.5 mgQkg	90.3	37.7	120
EP075: N-Nitrosomorpholine	59-89-3	0.5	mgQkg	z0.5	3.5 mgQkg	98.8	22	121
EP075: N-Nitrosodi-n-propylamine	631-64-7	0.5	mgQkg	z0.5	3.5 mgQkg	86.4	26	137
EP075: N-Nitrosopiperidine	100-75-4	0.5	mgQkg	z0.5	3.5 mgQkg	86.2	25	138
EP075: N-Nitrosodibutylamine	934-16-2	0.5	mgQkg	z0.5	3.5 mgQkg	91.3	27	129
EP075: N-Nitrosodiphenyl & Diphenylamine	86-20-6 133-29-4	0.5	mgQkg	z1.0	3.5 mgQkg	77.7	43	124
EP075: Methapyrilene	91-80-5	0.5	mgQkg	z0.5	3.5 mgQkg	= 16.2	34.4	142
Ev0G5E: Nj)ro-roH-)rgQ-yd Ke)oyeQ u8l Do): 21GGG507								
EP075: 3-Picoline	109-06-8	0.5	mgQkg	z0.5	3.5 mgQkg	93.4	10	128
EP075: Acetophenone	98-86-3	0.5	mgQkg	z0.5	3.5 mgQkg	75.4	25	138
EP075: Nitrobenxene	98-95-2	0.5	mgQkg	z0.5	3.5 mgQkg	83.4	26	137
EP075: Isophorone	78-59-1	0.5	mgQkg	z0.5	3.5 mgQkg	81.2	40	126

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
Ev0G5E: Nr)ro- roH -)rgQ- yd Ke)oyeQ uß I Do): 21GGG507 Fgoy)rybed								
EP075: 3.6-Dinitrotoluene	606-30-3	0.5	mg/kg	z1.0	3.5 mg/kg	80.4	43	140
EP075: 3.4-Dinitrotoluene	131-14-3	0.5	mg/kg	z1.0	3.5 mg/kg	77.6	46	140
EP075: 1-Naphthylamine	124-23-7	0.5	mg/kg	z0.5	3.5 mg/kg	= 4.5	10	84
EP075: 4-Nitroquinoline-N-o; ide	56-57-5	0.5	mg/kg	z0.5	3.5 mg/kg	56.6	17.7	152
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	z0.5	3.5 mg/kg	85.5	27	135
EP075: Axobenxene	102-22-2	1	mg/kg	z1	3.5 mg/kg	87.6	46	140
EP075: 1.2.5-Trinitrobenxene	99-25-4	0.5	mg/kg	z0.5	3.5 mg/kg	80.3	13.6	151
EP075: Phenacetin	63-44-3	0.5	mg/kg	z0.5	3.5 mg/kg	74.2	48	143
EP075: 4-Aminobiphenyl	93-67-1	0.5	mg/kg	z0.5	3.5 mg/kg	11.7	10	97
EP075: Pentachloronitrobenxene	83-68-8	0.5	mg/kg	z0.5	3.5 mg/kg	90.8	47	129
EP075: Pronamide	32950-58-5	0.5	mg/kg	z0.5	3.5 mg/kg	92.7	45	122
EP075: Dimethylaminoaxobenxene	60-11-7	0.5	mg/kg	z0.5	3.5 mg/kg	79.1	43	126
EP075: Chlorobenxilate	510-15-6	0.5	mg/kg	z0.5	3.5 mg/kg	70.2	41	141
Ev0G5h: t -(oe)perQ uß I Do): 21GGG507								
EP075: Bis(3-chloroethyl) ether	111-44-4	0.5	mg/kg	z0.5	3.5 mg/kg	84.1	26	146
EP075: Bis(3-chloroetho; y) methane	111-91-1	0.5	mg/kg	z0.5	3.5 mg/kg	75.8	40	126
EP075: 4-Chlorophenyl phenyl ether	7005-73-2	0.5	mg/kg	z0.5	3.5 mg/kg	80.1	46	126
EP075: 4-Bromophenyl phenyl ether	101-55-2	0.5	mg/kg	z0.5	3.5 mg/kg	74.5	44	140
Ev0G5L: I p(orry-)ed t cdrog-r8oyQ uß I Do): 21GGG507								
EP075: 1.2-Dichlorobenxene	541-72-1	0.5	mg/kg	z0.5	3.5 mg/kg	74.4	25	133
EP075: 1.4-Dichlorobenxene	106-46-7	0.5	mg/kg	z0.5	3.5 mg/kg	81.0	26	135
EP075: 1.3-Dichlorobenxene	95-50-1	0.5	mg/kg	z0.5	3.5 mg/kg	73.5	27	132
EP075: He; achloroethane	67-73-1	0.5	mg/kg	z0.5	3.5 mg/kg	70.1	22	132
EP075: 1.3.4-Trichlorobenxene	130-83-1	0.5	mg/kg	z0.5	3.5 mg/kg	72.3	26	123
EP075: He; achloropropylene	1888-71-7	0.5	mg/kg	z0.5	3.5 mg/kg	82.6	36.6	127
EP075: He; achlorobutadiene	87-68-2	0.5	mg/kg	z0.5	3.5 mg/kg	78.1	40	120
EP075: He; achlorocyclopentadiene	77-47-4	0.5	mg/kg	z3.5	3.5 mg/kg	26.6	17.2	141
EP075: Pentachlorobenxene	608-92-5	0.5	mg/kg	z0.5	3.5 mg/kg	82.8	46	126
EP075: He; achlorobenxene (HCB)	118-74-1	0.5	mg/kg	z1.0	5 mg/kg	78.7	40	143
Ev0G5t: Syr(ryeQ- yd meyzrdryeQ uß I Do): 21GGG507								
EP075: Aniline	63-52-2	0.5	mg/kg	z0.5	3.5 mg/kg	34.9	10	114
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	z0.5	3.5 mg/kg	18.2	10	102
EP075: 3-Nitroaniline	88-74-4	0.5	mg/kg	z1.0	3.5 mg/kg	90.2	40	143
EP075: 2-Nitroaniline	99-09-3	0.5	mg/kg	z1.0	3.5 mg/kg	45.7	32.2	135
EP075: Dibenxofuran	123-64-9	0.5	mg/kg	z0.5	3.5 mg/kg	79.7	46	124
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	z0.5	3.5 mg/kg	67.1	28	123
EP075: Carbaxole	86-74-8	0.5	mg/kg	z0.5	3.5 mg/kg	85.7	44	124
EP075: 2.2`-Dichlorobenxidine	91-94-1	0.5	mg/kg	z0.5	3.5 mg/kg	30.7	10	134
Ev0G5T: OrB- yogp(orrye veQ)rgrdeQ uß I Do): 21GGG507								

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Recovery Limits (%)
				Result	Concentration	LCS	Low	High
Ev0G5T: OrB- yogp(orrye veQ)rgrndeQ u8 l Do): 21GGG507 Fgoy)nybed								
EP075: alpha-BHC	219-84-6	0.5	mg0kg	z0.5	3.5 mg0kg	86.4	50	124
EP075: beta-BHC	219-85-7	0.5	mg0kg	z0.5	3.5 mg0kg	91.0	47	125
EP075: gamma-BHC	58-89-9	0.5	mg0kg	z0.5	3.5 mg0kg	87.8	50	127
EP075: delta-BHC	219-86-8	0.5	mg0kg	z0.5	3.5 mg0kg	95.0	48	126
EP075: Heptachlor	76-44-8	0.5	mg0kg	z0.5	3.5 mg0kg	87.7	40	128
EP075: Aldrin	209-00-3	0.5	mg0kg	z0.5	3.5 mg0kg	91.3	44	140
EP075: Heptachlor epo; ide	1034-57-2	0.5	mg0kg	z0.5	3.5 mg0kg	86.6	45	129
EP075: alpha-Endosulfan	959-98-8	0.5	mg0kg	z0.5	3.5 mg0kg	96.8	46	143
EP075: 4.4`-DDE	73-55-9	0.5	mg0kg	z0.5	3.5 mg0kg	87.8	70	120
EP075: Dieldrin	60-57-1	0.5	mg0kg	z0.5	3.5 mg0kg	96.0	47	129
EP075: Endrin	73-30-8	0.5	mg0kg	z0.5	3.5 mg0kg	96.0	43	143
EP075: beta-Endosulfan	22312-65-9	0.5	mg0kg	z0.5	3.5 mg0kg	94.6	47	141
EP075: 4.4`-DDD	73-54-8	0.5	mg0kg	z0.5	3.5 mg0kg	84.1	43	146
EP075: Endosulfan sulfate	1021-07-8	0.5	mg0kg	z0.5	3.5 mg0kg	82.9	41	141
EP075: 4.4`-DDT	50-39-2	0.5	mg0kg	z1.0	3.5 mg0kg	86.6	19.6	148
Ev0G5J: OrB- yospoQsporbQveQ)rgrndeQ u8 l Do): 21GGG507								
EP075: Dichlorvos	63-72-7	0.5	mg0kg	z0.5	3.5 mg0kg	81.6	31.9	121
EP075: Dimethoate	60-51-5	0.5	mg0kg	z0.5	3.5 mg0kg	90.3	28	143
EP075: Diaxinon	222-41-5	0.5	mg0kg	z0.5	3.5 mg0kg	98.8	26	122
EP075: Chlorpyrifos-methyl	5598-12-0	0.5	mg0kg	z0.5	3.5 mg0kg	86.6	25	142
EP075: Malathion	131-75-5	0.5	mg0kg	z0.5	3.5 mg0kg	91.6	25	142
EP075: Fenthion	55-28-9	0.5	mg0kg	z0.5	3.5 mg0kg	83.0	35.1	125
EP075: Chlorpyrifos	3931-88-3	0.5	mg0kg	z0.5	3.5 mg0kg	90.4	26	123
EP075: Pirimphos-ethyl	32505-41-1	0.5	mg0kg	z0.5	3.5 mg0kg	89.2	26	125
EP075: Chlorfenvinphos	470-90-6	0.5	mg0kg	z0.5	3.5 mg0kg	87.3	25	128
EP075: Prothiofos	24642-46-4	0.5	mg0kg	z0.5	3.5 mg0kg	92.6	27	125
EP075: Ethion	562-13-3	0.5	mg0kg	z0.5	3.5 mg0kg	89.8	28	127
Ev060/0G1: i o)- (ve)ro(ebH t cdrog-r8oyQ u8 l Do): 21G202P7								
EP080: C6 - C9 Fraction	----	10	mg0kg	z10	23 mg0kg	102	70	122
Ev060/0G1: i o)- (ve)ro(ebH t cdrog-r8oyQ u8 l Do): 2161a157								
EP071: C10 - C14 Fraction	----	50	mg0kg	z50	544 mg0kg	85.5	55	132
EP071: C15 - C38 Fraction	----	100	mg0kg	z100	1981 mg0kg	98.4	73	124
EP071: C39 - C26 Fraction	----	100	mg0kg	z100	818 mg0kg	98.5	71	142
EP071: C10 - C26 Fraction (sum)	----	50	mg0kg	z50	----	----	----	----
Ev060/0G1: i o)- (Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) u8 l Do): 21G202P7								
EP080: C6 - C10 Fraction	----	10	mg0kg	z10	27 mg0kg	103	70	120
Ev060/0G1: i o)- (Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) u8 l Do): 2161a157								
EP071: >C10 - C16 Fraction	----	50	mg0kg	z50	870 mg0kg	94.4	69	132

Sub-Matri; : COTD

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev060/0G1: i o)-(Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) u8 l Do): 2161a157 Fgoy)rybed								
EP071: >C16 - C24 Fraction	----	100	mgGkg	z100	3495 mgGkg	98.2	71	124
EP071: >C24 - C40 Fraction	----	100	mgGkg	z100	362 mgGkg	84.0	62	142
EP071: >C10 - C40 Fraction (sum)	----	100	mgGkg	z100	----	----	----	----
Ev214: vergp(or-)e 8c DI /MC u8 l Do): 21Ga1P27								
EP316: Perchlorate	7601-90-2	10	µgGkg	z10.0	35 µgGkg	82.4	56	120
Ev2a1: verf(boroog)c(SgrdQ-yd Cb(foy-)eQ u8 l Do): 21G55Ga7								
EP321: PFOS	1762-32-1	0.0005	mgGkg	z0.0005	0.005 mgGkg	69.1	54	146
EP321: PFOA	225-67-1	0.0005	mgGkg	z0.0005	0.005 mgGkg	72.7	54	124
EP321: 6:3 Fluorotelomer Sulfonate (6:3 FtS)	37619-97-3	0.005	mgGkg	z0.005	.035 mgGkg	73.3	56	128

Matrix Spike (MS) Report

The quality control term Matri; Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matri; effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matri; interference.

Sub-Matri; : **COTD**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EL005i : i o)-(Me)-(Q8c T vF5EC u8 l Do): 2161P4G7							
EB1304189-003	Anonymous	EK005T: Arsenic	7440-28-3	50 mgCkg	107	70	120
		EK005T: Cadmium	7440-42-9	50 mgCkg	107	70	120
		EK005T: Chromium	7440-47-2	50 mgCkg	99.8	70	120
		EK005T: Copper	7440-50-8	50 mgCkg	100	70	120
		EK005T: Lead	7429-93-1	50 mgCkg	103	70	120
		EK005T: Nickel	7440-03-0	50 mgCkg	101	70	120
		EK005T: Zinc	7440-66-6	50 mgCkg	132	70	120
EL0a5i : i o)-(Aego9er-8(e Mergbrc 8c hTMC u8 l Do): 2161P467							
EB1304189-003	Anonymous	EK025T: Mercury	7429-97-6	5.0 mgCkg	96.2	56	133
Ev044: vo(cgp(orny-)ed mrspeyc(Quv l m7 u8 l Do): 21GGGP67							
EM1301575-008	A7PT4G3003	EP066: Total Polychlorinated biphenyls	----	1.34 mgCkg	90.9	55	123
Ev046S: OrB-yogp(ornye veQ)rgrndeQuOl 7 u8 l Do): 21GGGPG7							
EM1301575-002	A7PT3G3001	EP068: gamma-BHC	58-89-9	0.5 mgCkg	113	20	139
		EP068: Heptachlor	76-44-8	0.5 mgCkg	99.6	33.3	139
		EP068: Aldrin	209-00-3	0.5 mgCkg	82.8	35	138
		EP068: Dieldrin	60-57-1	0.5 mgCkg	99.8	26	123
		EP068: Endrin	73-30-8	0.5 mgCkg	119	23	128
		EP068: 4.4`-DDT	50-39-2	0.5 mgCkg	100	31.8	140
Ev046m: OrB-yospoQsporbQveQ)rgrndeQuOv7 u8 l Do): 21GGGPG7							
EM1301575-002	A7PT3G3001	EP068: Diaxinon	222-41-5	0.5 mgCkg	102	29	139
		EP068: Chlorpyrifos-methyl	5598-12-0	0.5 mgCkg	95.5	29	136
		EP068: Pirimphos-ethyl	32505-41-1	0.5 mgCkg	94.8	28	120
		EP068: Bromophos-ethyl	4834-78-6	0.5 mgCkg	88.4	25	114
		EP068: Prothiofos	24642-46-4	0.5 mgCkg	98.3	29	135
Ev0GPS: Moyogcg(rg SroH-)rg t cdrog-r8oyQ u8 l Do): 21G20257							
EM1301575-002	A7PT3G3001	EP074: Benxene	71-42-3	3 mgCkg	93.5	64	136
		EP074: Toluene	108-88-2	3 mgCkg	97.8	65	121
Ev0GPE: t -(oBey-)ed S(rsp-)rg l oH sobydQ u8 l Do): 21G20257							
EM1301575-002	A7PT3G3001	EP074: 1.1-Dichloroethene	75-25-4	3 mgCkg	78.0	50	134
		EP074: Trichloroethene	79-01-6	3 mgCkg	88.3	60	133
Ev0GPh: t -(oBey-)ed SroH-)rg l oH sobydQ u8 l Do): 21G20257							
EM1301575-002	A7PT3G3001	EP074: Chlorobenxene	108-90-7	3 mgCkg	105	69	139
Ev0G5S: vpeyo(rg l oH sobydQ u8 l Do): 21GGG507							

Sub-Matri; : COTD

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
				Concentration	MS	Low	High
Ev0G5S: vpeyo(rg l oHsobydQ uß l Do): 21GGG507 Fgoy)rybed							
EM1301575-009	A7PT5G3001	EP075: Phenol	108-95-3	5 mgÐkg	69.1	32.7	119
		EP075: 3-Chlorophenol	95-57-8	5 mgÐkg	59.9	21.1	116
		EP075: 3-Nitrophenol	88-75-5	5 mgÐkg	68.5	16.4	115
		EP075: 4-Chloro-2-Methylphenol	59-50-7	5 mgÐkg	91.1	33.2	133
		EP075: Pentachlorophenol	87-86-5	5 mgÐkg	86.7	17.6	143
Ev0G5m: vo(cybg(e-r SroH-)rgt cdrog-r8oyQ uß l Do): 21GGG507							
EM1301575-009	A7PT5G3001	EP075: Acenaphthene	82-23-9	5 mgÐkg	90.3	35.4	133
		EP075: Pyrene	139-00-0	5 mgÐkg	91.0	14.6	137
Ev0G5R: Nr)roQ-HryeQ uß l Do): 21GGG507							
EM1301575-009	A7PT5G3001	EP075: N-Nitrosodi-n-propylamine	631-64-7	5 mgÐkg	50.8	17.8	110
Ev0G5E: Nr)ro-roH-)rgQ-yd Ke)oyeQ uß l Do): 21GGG507							
EM1301575-009	A7PT5G3001	EP075: 3.4-Dinitrotoluene	131-14-3	5 mgÐkg	92.4	38.2	113
Ev0G5L: l p(orry-)ed t cdrog-r8oyQ uß l Do): 21GGG507							
EM1301575-009	A7PT5G3001	EP075: 1.4-Dichlorobenxene	106-46-7	5 mgÐkg	59.1	32	113
		EP075: 1.3.4-Trichlorobenxene	130-83-1	5 mgÐkg	52.8	13.9	111
Ev060/0G1: i o)-(ve)ro(ebH t cdrog-r8oyQ uß l Do): 21G202P7							
EM1301575-002	A7PT3G3001	EP080: C6 - C9 Fraction	----	38 mgÐkg	87.0	49	137
Ev060/0G1: i o)-(ve)ro(ebH t cdrog-r8oyQ uß l Do): 2161a157							
EB1304189-003	Anonymous	EP071: C10 - C14 Fraction	----	544 mgÐkg	= Not Determined	54	132
		EP071: C15 - C38 Fraction	----	1981 mgÐkg	92.6	74	124
		EP071: C39 - C26 Fraction	----	818 mgÐkg	86.3	62	142
Ev060/0G1: i o)-(Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) uß l Do): 21G202P7							
EM1301575-002	A7PT3G3001	EP080: C6 - C10 Fraction	----	22 mgÐkg	89.6	70	120
Ev060/0G1: i o)-(Aego9er-8(e t cdrog-r8oyQFNEvM 2010 Rr-f) uß l Do): 2161a157							
EB1304189-003	Anonymous	EP071: >C10 - C16 Fraction	----	870 mgÐkg	= Not Determined	54	132
		EP071: >C16 - C24 Fraction	----	3495 mgÐkg	85.2	74	124
		EP071: >C24 - C40 Fraction	----	362 mgÐkg	= Not Determined	62	142
Ev214: vergp(or-)e 8c Dl /MC uß l Do): 21Ga1P27							
EM1301575-003	A7PT1G3003	EP316: Perchlorate	7601-90-2	35 µgÐkg	89.3	70	120
Ev2a1: verf(boroog)c(SgrdQ-yd Cb(foy-)eQ uß l Do): 21G55Ga7							
EM1301441-001	Anonymous	EP321: PFOS	1762-32-1	0.005 mgÐkg	= Not Determined	54	146
		EP321: PFOA	225-67-1	0.005 mgÐkg	67.0	54	124
		EP321: 6:3 Fluorotelomer Sulfonate (6:3 FtS)	37619-97-3	.035 mgÐkg	61.9	56	128

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EM1201575**	Page	: 1 of 12
Client	: GOLDER ASSOCIATES	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6207 Building 09, 025, - - S8 an St9Richmond9wlCV. 131 HAWTHORN WEST wlC9AUSTRALIA . 133	Address	: 4 Westall Rd Springvale wlC Australia . 101
E5mail	: nmccormack@golder\Vcom\Vau	E5mail	: samantha\Vsmith@alsglobal\Vcom
Telephone	: +61 2. - - 63 . , 22	Telephone	: +615 5- , 47 7644
Facsimile	: +61 2. - - 63 . , 21	Facsimile	: +615 5- , 47 7621
Project	: 11061. 321 F5wlC	QC Level	: NEPM 1777 Schedule B(.) and ALS QCS. requirement
Site	: F5wlC		
C5O5C number	: 5555	Date Samples Received	: 1, 5FEB5213
Sampler	: 5555	Issue Date	: 305FEB5213
Order number	: GA5MELB . . 3, 27		
		NoVof samples received	: 1,
Quote number	: MEK2, 4K13	NoVof samples analysed	: 6

This report supersedes any previous report(s) 8ith this referenceV Results apply to the sample(s) as submittedV All pages of this report have been checked and approved for releaseV

This Interpretive Quality Control Report contains the follo8ing information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The follo8ing report summarises e/traction K preparation and analysis times and compares 8ith recommended holding timesV Dates reported represent first date of e/traction or analysis and precludes subsequent dilutions and rerunsV Information is also provided re the sample container (preservative) from 8hich the analysis aliquot 8as takenV Elapsed period to analysis represents number of days from sampling 8here no e/traction K digestion is involved or period from e/traction K digestion 8here this is presentV For composite samples9 sampling date is assumed to be that of the oldest sample contributing to the compositeV Sample date for laboratory produced leachates is assumed as the completion date of the leaching processV Outliers for holding time are based on USEPA SW-469 APHA9 AS and NEPM (1777)V A listing of breaches is provided in the Summary of OutliersV

Holding times for leachate methods (e/cluding elutriates) vary according to the analytes being determined on the resulting solutionV For non5volatile analytes9 the holding time compliance assessment compares the leach date 8ith the shortest analyte holding time for the equivalent soil methodV These soil holding times are: Organics (14 days)x Mercury (3- days) ; other metals (1-2 days)V A recorded breach therefore does not guarantee a breach for all non5volatile parametersV

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA002 : pH (Soils)								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	315FEB53213	✓	**17-FEB-2012**	105FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EA055: Moisture Content								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**----**	5555	5555	**17-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EG005T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**23-FEB-2012**	135AUG53213	✓	**24-FEB-2012**	135AUG53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**23-FEB-2012**	1. 5MAR53213	✓	**24-FEB-2012**	1. 5MAR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP004: Organic Matter								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**16-FEB-2012**	315FEB53213	✓	**16-FEB-2012**	1, 5MAR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP066: Polychlorinated Biphenyls (PCB)								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP068A: Organochlorine Pesticides (OC)								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP068B: Organophosphorus Pesticides (OP)								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP074A: Monocyclic Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074B: Oxygenated Compounds								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074C: Sulfonated Compounds								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074D: Fumigants								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074E: Halogenated Aliphatic Compounds								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074F: Halogenated Aromatic Compounds								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / *Container / Client Sample ID(s)*		*Sample Date*	*Extraction / Preparation*			*Analysis*		
			Date extracted	*Due for extraction*	*Evaluation*	*Date analysed*	*Due for analysis*	*Evaluation*
EP074G: Trihalomethanes								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k82239	A0PT0k8021							
EP074H: Naphthalene								
Soil Glass Jar - Unpreserved								
A0PT0k8021		**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
EP075A: Phenolic Compounds								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075B: Polynuclear Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075C: Phthalate Esters								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075D: Nitrosamines								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075E: Nitroaromatics and Ketones								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075F: Haloethers								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								
EP075G: Chlorinated Hydrocarbons								
Soil Glass Jar - Unpreserved								
A0PT1k82239	A0PT3k82219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4k82239	A0PT, k82219							
A0PT6k8223								

Matri/ : **SOIL**

Evaluation: × & Holding time breach x ✓ & Within holding timeV

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075H: Anilines and Benzidines								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP075I: Organochlorine Pesticides								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP075J: Organophosphorus Pesticides								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**21-FEB-2012**	3-5FEB53213	✓	**22-FEB-2012**	215APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP080/071: Total Petroleum Hydrocarbons								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**23-FEB-2012**	3-5FEB53213	✓	**23-FEB-2012**	2. 5APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**17-FEB-2012**	3-5FEB53213	✓	**20-FEB-2012**	3-5FEB53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**23-FEB-2012**	3-5FEB53213	✓	**23-FEB-2012**	2. 5APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP216: Perchlorate by LC/MS								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**17-FEB-2012**	1. 5MAR53213	✓	**17-FEB-2012**	165MAR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								
EP231: Perfluorooctyl Acids and Sulfonates.								
Soil Glass Jar - Unpreserved								
A0PT1K32239	A0PT3K32219	**14-FEB-2012**	**21-FEB-2012**	135AUG53213	✓	**21-FEB-2012**	215APR53213	✓
A0PT4K32239	A0PT, K32219							
A0PT6K3223								

Quality Control Parameter Frequency Compliance

The follo8 ing report summarises the frequency of laboratory QC samples analysed 8 ithin the analytical lot(s) in 8 hich the submitted sample(s) 8 as(8 here) processedVActual rate should be greater than or equal to the e/ pected rateVA listing of breaches is provided in the Summary of OutliersV

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA2, , 512.	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Organic Matter	EP224	3	13	**16.7**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	,	**20.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	3	14	**14.3**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	3	13	**16.7**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
pH (1:,)	EA223	1	-	**12.5**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	3	1-	**11.1**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	7	**11.1**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	3	32	**10.0**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	3	16	**12.5**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	6	**16.7**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	6	**16.7**	**10.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Laboratory Control Samples (LCS)							
Organic Matter	EP224	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	1-	**5.6**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	7	**11.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	16	**6.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	6	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	6	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Method Blanks (MB)							
Organic Matter	EP224	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perchlorate in Soils and Sediments by LCKMS	EP316	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Pesticides by GCMS	EP26-	1	13	**8.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	1-	**5.6**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	7	**11.1**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	16	**6.3**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	6	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
wolatile Organic Compounds	EP204	1	6	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(.) and ALS QCS. requirement
Matri/ Spikes (MS)							
Perchlorate in Soils and Sediments by LCKMS	EP316	1	,	**20.0**	**5.0**	✓	ALS QCS. requirement

Matri/ : **SOIL**

Evaluation: × & Quality Control frequency not 8 ithin specification x ✓ & Quality Control frequency 8 ithin specificationV

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matri/ Spikes (MS) 5Continued							
Perfluorooctyl Acids and Sulfonates by LCKMSKMS	EP3. 1	1	14	**7.1**	**5.0**	✓	ALS QCS. requirement
Pesticides by GCMS	EP26-	1	13	**8.3**	**5.0**	✓	ALS QCS. requirement
Polychlorinated Biphenyls (PCB)	EP266	1	1-	**5.6**	**5.0**	✓	ALS QCS. requirement
Semivolatile Organic Compounds	EP20,	1	7	**11.1**	**5.0**	✓	ALS QCS. requirement
Total Mercury by FIMS	EG2. , T	1	32	**5.0**	**5.0**	✓	ALS QCS. requirement
Total Metals by ICP5AES	EG22, T	1	32	**5.0**	**5.0**	✓	ALS QCS. requirement
TPH 5Semivolatile Fraction	EP201	1	16	**6.3**	**5.0**	✓	ALS QCS. requirement
TPH wolatileskBTEX	EP2- 2	1	6	**16.7**	**5.0**	✓	ALS QCS. requirement
wolatile Organic Compounds	EP204	1	6	**16.7**	**5.0**	✓	ALS QCS. requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recogni=ed procedures such as those published by the US EPA9APHA9AS and NEPMVIn house developed procedures are employed in the absence of documented standards or by client requestVThe follo8 ing report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of AnalysisVSources from 8 hich ALS methods have been developed are provided 8 ithin the Method DescriptionsV

Analytical Methods	Method	Matrix	Method Descriptions
pH (1:,)	EA223	SOIL	(APHA 31st edV94, 22H+) pH is determined on soil samples after a 1:, soilK8 ater leachVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12.)
Moisture Content	EA2, , 512.	SOIL	A gravimetric procedure based on 8 eight loss over a 13 hour drying period at 12. 512, degrees CV This method is compliant 8 ith NEPM (3212 Draft) Schedule B(.) Section 0V1 and Table 1 (14 day holding time)V
Total Metals by ICP5AES	EG22, T	SOIL	(APHA 31st edV9. 132xUSEPA SW - 46 56212) (ICPAES) Metals are determined follo8 ing an appropriate acid digestion of the soilV The ICPAES technique ionises samples in a plasma9emitting a characteristic spectrum based on metals presentV Intensities at selected 8 avelengths are compared against those of matri/ matched standardsVThis method is compliant 8 ith NEPM (1777) Schedule B(.)
Total Mercury by FIMS	EG2. , T	SOIL	AS . , , 29APHA 31st edV9 . 113 Hg 5B (Flo8 5injection (SnCl3)(Cold wapour generation) AAS) FIM5AAS is an automated flameless atomic absorption techniqueVMercury in solids are determined follo8 ing an appropriate acid digestionVIonic mercury is reduced online to atomic mercury vapour by SnCl3 8 hich is then purged into a heated quart= cellV Quantification is by comparing absorbance against a calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.)
Organic Matter	EP224	SOIL	AS13- 7V4V1V1 51770V9 Dichromate o/ idation method after Walkley and BlackVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12,)
Polychlorinated Biphenyls (PCB)	EP266	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 24)
Pesticides by GCMS	EP26-	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 249 2,)
TPH 5Semivolatile Fraction	EP201	SOIL	(USEPA SW - 46 5- 21, A) Sample e/ tracts are analysed by Capillary GCKFID and quantified against alkane standards over the range C12 5C. 6VThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 26V1)
wolatile Scan for Unkno8 ns	EP203	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
Semivolatile Scan for Unkno8 ns	EP20.	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Capillary GCKMS and unkno8 ns are identified by comparison of peaks 8 ith the NIST libraryVSemiquantification is by comparison 8 ith the closest eluting internal standardV
wolatile Organic Compounds	EP204	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 21)
Semivolatile Organic Compounds	EP20,	SOIL	(USEPA SW - 46 5- 302B) E/ tracts are analysed by Capillary GCKMS and quantification is by comparison against an established , point calibration curveVThis technique is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 23)
TPH wolatilesKBTEX	EP2- 2	SOIL	(USEPA SW - 46 5- 362B) E/ tracts are analysed by Purge and Trap9Capillary GCKMSVQuantification is by comparison against an established , point calibration curveVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method , 21)
Perchlorate in Soils and Sediments by LCKMS	EP316	SOIL	US EPA Method 6- , 2: , g of sample is e/ trascted 8 ith 3, mL of 8 ater acidifed 8 ith acetic acid9filtered 8 ith a 2V8 zm filter (to e/ tend e/ tract holding time) and analysed by LCKMS in ESI (negative) modeV

Analytical Methods	Method	Matrix	Method Descriptions
Perfluorooctyl Acids and Sulfonates by LCKVMSKVMS	µEP3. 1	SOIL	In5HouseV A portion of soil is soaked in sodium hydro/ ide follo8 ed by e/ traction 8 ith methanolV The e/ tract is neutralised 8 ith HCl and an aliquot taken to dryness9made up in mobile phaseV Analysis is by LCKVMSMS9ESI Negative Mode using MRMV

Preparation Methods	Method	Matrix	Method Descriptions
1:, solid K8 ater leach for soluble analytes	EN. 4	SOIL	12 g of soil is mi/ ed 8 ith , 2 mL of distilled 8 ater and tumbled end over end for 1 hourV Water soluble salts are leached from the soil by the continuous suspensionV Samples are settled and the 8 ater filtered off for analysisV
Hot Block Digest for metals in soils sediments and sludges	EN67	SOIL	USEPA 322V3 ModVHot Block Acid Digestion 1V2g of sample is heated 8 ith Nitric and Hydrochloric acids9then cooledV Pero/ ide is added and samples heated and cooled again before being filtered and bulked to volume for analysisV Digest is appropriate for determination of selected metals in sludge9sediments9and soilsVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 323)
Organic Matter	EP2245PR	SOIL	AS13- 7V4V1V1 51770V9 Dichromate o/ idation method after Walkley and BlackVThis method is compliant 8 ith NEPM (1777) Schedule B(.) (Method 12,)
Sample E/ traction for Perchlorate	EP3165PR	SOIL	US EPA 6- , 2V
Sample E/ traction for Perfluoroalkyl Compounds	EP3. 15PR	SOIL	In5House
Methanolic E/ traction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW - 46 5, 2. 2A) , g of solid is shaken 8 ith surrogate and 12mL methanol prior to analysis by Purge and Trap 5 GCKVMSV
Tumbler E/ traction of Solids (Option A 5 Concentrating)	ORG10A	SOIL	In5house9Mechanical agitation (tumbler)V32g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 1, 2mL 1:1 DCMKAcetone by end over end tumbleV The solvent is decanted9dehydrated and concentrated (by * D) to the desired volume for analysisV
Tumbler E/ traction of Solids (Option B 5 Non5concentrating)	ORG10B	SOIL	In5house9Mechanical agitation (tumbler)V12g of sample9Na3SO4 and surrogate are e/ tracted 8 ith 32mL 1:1 DCMKAcetone by end over end tumbleV The solvent is transferred directly to a GC vial for analysisV

Summary of Outliers

Outliers : Quality Control Samples

The follo8 ing report highlights outliers flagged in the Quality Control (QC) ReportV Surrogate recovery limits are static and based on USEPA SW- 46 or ALS5QWIKENK- (in the absence of specific USEPA limits)V This report displays QC Outliers (breaches) onlyV

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matri/ : **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP204D: Fumigants	3, 014675 22,	5555	**2.2-Dichloropropane**	, 745 32 50	142 %	, 151 . 2%	**Recovery greater than upper control limit**
EP204E: Halogenated Aliphatic Compounds	3, 014675 22,	5555	**cis-1.4-Dichloro-2-butene**	140651 15,	1. 4 %	31V 51 10%	**Recovery greater than upper control limit**
EP20, D: Nitrosamines	3, 0- 3- - 522-	5555	**Methapyrilene**	715- 25,	16V %	34V 451 4. %	**Recovery less than lower control limit**
EP20, E: Nitroaromatics and * etones	3, 0- 3- - 522-	5555	**1-Naphthylamine**	1. 45 35 0	4V %	125- 4%	**Recovery less than lower control limit**
Matrix Spike (MS) Recoveries							
EP2- 2k201: Total Petroleum Hydrocarbons	EB13241- 75223	Anonymous	**C10 - C14 Fraction**	5555	Not Determined	5555	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP2- 2k201: Total Recoverable Hydrocarbons 5NEPM 3	EB13241- 75223	Anonymous	**>C10 - C16 Fraction**	5555	Not Determined	5555	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP2- 2k201: Total Recoverable Hydrocarbons 5NEPM 3	EB13241- 75223	Anonymous	**>C34 - C40 Fraction**	5555	Not Determined	5555	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP3. 1: Perfluorooctyl Acids and SulfonatesV	EM13214415221	Anonymous	**PFOS**	106. 53. 51	Not Determined	5555	**MS recovery not determined, background level greater than or equal to 4x spike level.**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches onlyVOnly the respective E/ traction KPreparation andK/r Analysis component isKare displayedV

- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

The follo8 ing report highlights breaches in the Frequency of Quality Control SamplesV

- **No Quality Control Sample Frequency Outliers exist.**

ALS Environmental

CERTIFICATE OF ANALYSIS

Client	**GOLDER ASSOCIATES**	**Laboratory :**	Environmental Division Melbourne		
Contact	Niamh McCormack	**Contact**	LAB.MANAGER.EM McGrath	**Work Order:**	**EM1201606**
Address:	P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	**Address:**	4 Westall Rd Springvale VIC 3171 Australia		
Project	117613201	**Quote #**	ME/054/12	**Received:**	14 Feb 2012
Order #	GA-MELB 332509			**Issued**	28 Feb 2012
C-O-C #	- Not provided -				
Site	FISKVILLE				
E-mail	nmccormack@golder.com.au	**E-mail**	Melbourne.Enviro.Services@alsglobal.com	**Number of Samples**	
Phone	8862 3500	**Phone**	+61-3-8549 9600	**Received:**	2
Fax	8862 3501	**Fax**	+61-3-8549 9601	**Analysed:**	2

Notes

LOR = Limit of reporting

I-TEF = International toxic equivalency factor

WHO-TEF = World Health Organistaion toxic equivalency factor

I-TEQ = International toxic equivalence (pg/g)

WHO-TEQ = World Health Organisation toxic equivalence (pg/g)

T = tetra Pe = penta Hx = hexa Hp =hepta O = octa CDD, dioxin = chlorinated dibenzo-p-dioxin CDF, furan = chlorinated dibenzofuran

1 I -TEQ(zero) and WHO-TEQ(zero) calculated treating <LOR as zero concentration (pg/g)

2 I -TEQ(0.5 LOR) and WHO-TEQ(0.5 zero) calculated treating <LOR as 0.5 LoR concentration (pg/g)

3 I-TEQ(LOR) and WHO-TEQ(LOR) calculated treating <LOR as LoR concentration (pg/g)

4 Totals LORs are calculated by mutiplying the number of peaks by the individual LOR per compound

Work order specific comments

Samples analysed 'as received', results reported on 'dry weight' basis.

Dioxins/Furans conducted by ALS Brisbane, NATA Site No. 818.

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This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IED 17025

This document has been digitally signed by those names that appear on this report and are the authorised signatories. Digital signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatory	Position	Department
Peter Blow	HRMS Chemist	GC/HR-MS - NATA 825 (818 - Brisbane)

Client	: GOLDER ASSOCIATES		**Work Order**	:	EM1201606
Project	: 117613201		**ALS Quote Reference**	:	ME/054/12

ALS Environmental

ANALYTICAL RESULTS FOR DIOXINS AND FURANS

Method Code EP300	**Laboratory Sample ID:**	EM1201606001	**Qc Lot Number:**	2184402	**Date Sampled:**	10-Feb-2012
	Client Sample ID:	A9HA1/3001	**Moisture Content (%):**		**Date Extracted:**	24-Feb-2012
	Sample Mass (g):	10.0	**Sample Matrix:**	SOIL	**Date Analysed:**	24-Feb-2012

Compound	Conc (pg/g)	LOR pg/g	WHO-TEF	WHO-TEQ$_1$ (zero)	WHO-TEQ$_2$ (0.5 LOR)	WHO-TEQ$_3$ (LOR)	I-TEF	I-TEQ$_1$ (zero)	I-TEQ$_2$ (0.5 LOR)	I-TEQ$_3$ (LOR)	$^{13}C_{12}$ Rec(%)
2378-TCDD	<0.5	0.5	1	0.00	0.25	0.50	1	0.00	0.25	0.50	51.4
12378-PeCDD	<2.5	2.5	1	0.00	1.26	2.52	0.5	0.00	0.63	1.26	47.5
123478-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	40.8
123678-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	72.8
123789-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	-
1234678-HpCDD	11.7	2.5	0.01	0.12	0.12	0.12	0.01	0.12	0.12	0.12	43.2
OCDD	821.0	10.1	0.0003	0.25	0.25	0.25	0.001	0.82	0.82	0.82	26.5
2378-TCDF	<0.5	0.5	0.1	0.00	0.03	0.05	0.1	0.00	0.03	0.05	45.8
12378-PeCDF	<2.5	2.5	0.03	0.00	0.04	0.08	0.05	0.00	0.06	0.13	41.2
23478-PeCDF	<2.5	2.5	0.3	0.00	0.38	0.76	0.5	0.00	0.63	1.26	40.4
123478-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	33.2
123678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	58.2
234678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	43.6
123789-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	34.6
1234678-HpCDF	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	37.1
1234789-HpCDF	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	26.4
OCDF	<5.0	5.0	0.0003	0.00	0.00	0.00	0.001	0.00	0.00	0.01	-
Total TEQ	-	-	-	0.36	3.22	6.08	-	0.94	3.45	5.95	-

Group Totals	Conc (pg/g)	LOR$_4$ pg/g	No. of Peaks
Tetra-Dioxins	<2.5	2.5	5
Penta-Dioxins	<17.6	17.6	7
Hexa-Dioxins	<7.6	7.6	3
Hepta-Dioxins	28.1	5.0	2
Octa-Dioxin	821.0	10.1	1
Tetra-Furans	7.2	3.0	6
Penta-Furans	<10.1	10.1	4
Hexa-Furans	<10.1	10.1	4
Hepta-Furans	<5.0	5.0	2
Octa-Furan	<5.0	5.0	1
PCDD/Fs	856.3		

ANALYTICAL RESULTS FOR DIOXINS AND FURANS

Method Code EP300

Laboratory Sample ID: EM1201606002
Client Sample ID: A9HA2/3001
Sample Mass (g): 10.0

Qc Lot Number: 2184403
Moisture Content (%):
Sample Matrix: SOIL

Date Sampled: 10-Feb-2012
Date Extracted: 24-Feb-2012
Date Analysed: 24-Feb-2012

Compound	Conc (pg/g)	LOR pg/g	WHO-TEF	WHO-TEQ$_1$ (zero)	WHO-TEQ$_2$ (0.5 LOR)	WHO-TEQ$_3$ (LOR)	I-TEF	I-TEQ$_1$ (zero)	I-TEQ$_2$ (0.5 LOR)	I-TEQ$_3$ (LOR)	$^{13}C_{12}$ Rec(%)
2378-TCDD	<0.5	0.5	1	0.00	0.25	0.50	1	0.00	0.25	0.50	22.7
12378-PeCDD	<2.5	2.5	1	0.00	1.25	2.50	0.5	0.00	0.63	1.25	21.9
123478-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	18.9
123678-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	35.3
123789-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	-
1234678-HpCDD	22.5	2.5	0.01	0.23	0.23	0.23	0.01	0.23	0.23	0.23	21.7
OCDD	1350.0	10.0	0.0003	0.41	0.41	0.41	0.001	1.35	1.35	1.35	16.6
2378-TCDF	<0.5	0.5	0.1	0.00	0.03	0.05	0.1	0.00	0.03	0.05	20.6
12378-PeCDF	<2.5	2.5	0.03	0.00	0.04	0.08	0.05	0.00	0.06	0.13	19.4
23478-PeCDF	<2.5	2.5	0.3	0.00	0.38	0.75	0.5	0.00	0.63	1.25	18.3
123478-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	15.2
123678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	30.3
234678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	21.2
123789-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	16.4
1234678-HpCDF	2.9	2.5	0.01	0.03	0.03	0.03	0.01	0.03	0.03	0.03	19.7
1234789-HpCDF	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	13.2
OCDF	<5.0	5.0	0.0003	0.00	0.00	0.00	0.001	0.00	0.00	0.01	-
Total TEQ	-	-	-	0.66	3.48	6.31	-	1.60	4.08	6.56	-

Group Totals	Conc (pg/g)	LOR$_4$ pg/g	No. of Peaks
Tetra-Dioxins	<1.5	1.5	3
Penta-Dioxins	<17.5	17.5	7
Hexa-Dioxins	<15.0	15.0	6
Hepta-Dioxins	50.9	5.0	2
Octa-Dioxin	1350.0	10.0	1
Tetra-Furans	10.2	4.5	9
Penta-Furans	<12.5	12.5	5
Hexa-Furans	<12.5	12.5	5
Hepta-Furans	6.0	5.0	2
Octa-Furan	<5.0	5.0	1
PCDD/Fs	1417.1		

ALS Environmental

QUALITY CONTROL REPORT

Client	**GOLDER ASSOCIATES**	**Laboratory :**	Environmental Division Melbourne		
Contact	Niamh McCormack	**Contact**	LAB.MANAGER.EM McGrath	**Work Order:**	**EM1201606**
Address:	P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	**Address:**	Springvale VIC 3171 Australia		
Project	117613201	**Quote #**	ME/054/12	**Received:**	14 Feb 2012
Order #	GA-MELB 332509			**Issued**	28 Feb 2012
C-O-C #	- Not provided -				
Site	FISKVILLE				
E-mail	nmccormack@golder.com.au	**E-mail**	Melbourne.Enviro.Services@alsg	**Number of Samples**	
Phone	8862 3500	**Phone**	+61-3-8549 9600	**Received:**	2
Fax	8862 3501	**Fax**	+61-3-8549 9601	**Analysed:**	3

Samples analysed 'as received', results reported on 'dry weight' basis.

Work order specific comments
Dioxins/Furans conducted by ALS Brisbane, NATA Site No. 818.

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Signatory	Position	Department
Peter Blow	HRMS Chemist	GC/HR-MS - NATA 825 (818 - Brisbane)

Quality Control Report
Laboratory Duplicates (DUP)

	Original Result	Duplicate Result
Laboratory Sample Id :	EM1201412001	2586240-007
Client Sample Id :	Anonymous	Anonymous
Sample Mass (g) :	10.0	10.0
Qc Lot Number :	2184403	2184403
Moisture Content (%) :		

Compound	Conc pg/g	LOR pg/g	Conc pg/g	LOR pg/g	RPD (%)
2378-TCDD	<0.5	0.5	<0.5	0.5	-
12378-PeCDD	<2.5	2.5	<2.5	2.5	-
123478-HxCDD	<2.5	2.5	<2.5	2.5	-
123678-HxCDD	<2.5	2.5	<2.5	2.5	-
123789-HxCDD	<2.5	2.5	<2.5	2.5	-
1234678-HpCDD	3.7	2.5	3.0	2.5	20.9
OCDD	84.5	10.1	81.9	10.0	3.1
2378-TCDF	<0.5	0.5	<0.5	0.5	-
12378-PeCDF	<2.5	2.5	<2.5	2.5	-
23478-PeCDF	<2.5	2.5	<2.5	2.5	-
123478-HxCDF	<2.5	2.5	<2.5	2.5	-
123678-HxCDF	<2.5	2.5	<2.5	2.5	-
234678-HxCDF	<2.5	2.5	<2.5	2.5	-
123789-HxCDF	<2.5	2.5	<2.5	2.5	-
1234678-HpCDF	<2.5	2.5	<2.5	2.5	-
1234789-HpCDF	<2.5	2.5	<2.5	2.5	-
OCDF	<5.0	5.0	<5.0	5.0	-

Group Totals	Conc pg/g	LOR pg/g	Conc pg/g	LOR pg/g	RPD (%)
Tetra-Dioxins	1.6	1.5	1.3	1.0	20.7
Penta-Dioxins	<2.5	2.5	<2.5	2.5	-
Hexa-Dioxins	<2.5	2.5	<2.5	2.5	-
Hepta-Dioxins	9.0	5.0	6.9	5.0	26.4
Octa-Dioxin	84.5	10.1	81.9	10.0	3.1
Tetra-Furans	4.4	1.0	3.2	2.0	31.6
Penta-Furans	<2.5	2.5	<2.5	2.5	-
Hexa-Furans	<5.0	5.0	<2.5	2.5	-
Hepta-Furans	<2.5	2.5	<2.5	2.5	-
Octa-Furan	<5.0	5.0	<5.0	5.0	-
PCDD/Fs	**99.5**		**93.3**		**6.4**

Notes
LOR = Limit of reporting
T = tetra
Pe = penta
Hx = hexa
Hp = hepta
O = octa
CDD, dioxin = chlorinated debenzo-p-dioxin
CDF, furan = chlorinated debenzofuran
RPD = relative per cent difference
Permitted ranges for RPD are depencant upon the magnitude of the result in comparison to the LOR.
Result < 10x LOR, no limit, result between 10x and 20x LOR, 50%; result > 20x LOR, 20%
- = Where results are less than the LOR, no RPD is reported.

Quality Control Results
Laboratory Control Samples(LCS)

Laboratory Sample Id : 2586240-010
QC Lot Number : 2184403
Sample Mass (g) : 2.0
Sample Name : BCR 529 Sandy soil

Compound	Conc pg/g	Lower [1] pg/g	Upper [1] pg/g	$^{13}C_{12}$ Rec(%)	Lower [2] (%)	Upper [2] (%)
2378-TCDD	4120.0	3900	5100	68.8	25	164
12378-PeCDD	449.0	390	490	81.1	25	181
123478-HxCDD	952.0	900	1500	70.7	32	141
123678-HxCDD	4780.0	4500	6300	77.2	28	130
123789-HxCDD	2800.0	2600	3400	-	-	-
2378-TCDF	77.9	65	91	60.3	24	169
12378-PeCDF	121.0	110	170	67.6	24	185
23478-PeCDF	343.0	290	430	66.4	21	178
123478-HxCDF	3370.0	2900	3900	56.0	26	152
123678-HxCDF	1020.0	940	1240	71.0	26	123
234678-HxCDF	398.0	330	410	61.7	28	136
123789-HxCDF	434.0	12	32	73.8	29	147

Notes
1. Acceptable concentration limits are as quoted on the analytical certificate for the cerified reference material
2. Acceptable recovery limits are derived from EPA1613 Revision B
T = tetra
Pe = penta
Hx = hexa
Hp = hepta
O = octa

Quality Control Report
Method Blank (MB)

Laboratory Sample ID: 2586240-001
Sample Mass (g) : 10.0
Qc Lot Number : 2184403

Sample Matrix: SOIL
Date Extracted: 24-Feb-2012
Date Analysed: 24-Feb-2012

Compound	Conc pg/g	LOR pg/g	WHO-TEF	WHO-TEQ$_1$ (zero)	WHO-TEQ$_2$ (0.5 LOR)	WHO-TEQ$_3$ (LOR)	I-TEF	I-TEQ$_1$ (zero)	I-TEQ$_2$ (0.5 LOR)	I-TEQ$_3$ (LOR)	$^{13}C_{12}$ Rec(%)
2378-TCDD	<0.5	0.5	1	0.00	0.25	0.50	1	0.00	0.25	0.50	50.8
12378-PeCDD	<2.5	2.5	1	0.00	1.25	2.50	0.5	0.00	0.63	1.25	72.2
123478-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	60.4
123678-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	84.5
123789-HxCDD	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	-
1234678-HpCD	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	74.6
OCDD	<10.0	10.0	0.0003	0.00	0.00	0.00	0.001	0.00	0.01	0.01	68.4
2378-TCDF	<0.5	0.5	0.1	0.00	0.03	0.05	0.1	0.00	0.03	0.05	45.7
12378-PeCDF	<2.5	2.5	0.03	0.00	0.04	0.08	0.05	0.00	0.06	0.13	54.0
23478-PeCDF	<2.5	2.5	0.3	0.00	0.38	0.75	0.5	0.00	0.63	1.25	54.5
123478-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	43.6
123678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	58.5
234678-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	54.2
123789-HxCDF	<2.5	2.5	0.1	0.00	0.13	0.25	0.1	0.00	0.13	0.25	57.6
1234678-HpCD	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	52.4
1234789-HpCD	<2.5	2.5	0.01	0.00	0.01	0.03	0.01	0.00	0.01	0.03	54.7
OCDF	<5.0	5.0	0.0003	0.00	0.00	0.00	0.001	0.00	0.00	0.01	-
			TEQ$_{(WHO)}$	0.00	2.89	5.72	**TEQ$_{(I)}$**	0.00	2.55	5.04	

Group Totals	Conc pg/g	LOR$_4$ pg/g	No. of Peaks
Tetra-Dioxins	<0.5	0.5	1
Penta-Dioxins	<2.5	2.5	1
Hexa-Dioxins	<2.5	2.5	1
Hepta-Dioxins	<5.0	5.0	2
Octa-Dioxin	<10.0	10.0	1
Tetra-Furans	<0.5	0.5	1
Penta-Furans	<2.5	2.5	1
Hexa-Furans	<2.5	2.5	1
Hepta-Furans	<2.5	2.5	1
Octa-Furan	<5.0	5.0	1
PCDD/Fs	0.00		

Notes
LOR = Limit of reporting
I-TEF = International toxic equivalency factor
I-TEQ = International toxic equivalence (pg/g)
WHO-TEF = World Health Organistaion toxic equivalency factor
WHO-TEQ = World Health Organisation toxic equivalence (pg/g)
T = tetra
Pe = penta
Hx = hexa
Hp =hepta
O = octa
CDD, dioxin = chlorinated dibenzo-p-dioxin
CDF, furan = chlorinated dibenzofuran
1 I -TEQ$_{(zero)}$ and WHO-TEQ$_{(zero)}$ calculated treating <LOR as zero concentration (pg/g)
2 I-TEQ$_{(0.5\ LOR)}$ and WHO-TEQ$_{(0.5\ LOR)}$ calculated treating <LOR as 50% LoR concentration (pg/g)
3 I-TEQ$_{(LOR)}$ and WHO-TEQ$_{(LOR)}$ calculated treating <LOR as LoR concentration (pg/g)
4 Totals LORs are calculated by mutiplying the number of peaks by the individual LOR per compound

ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

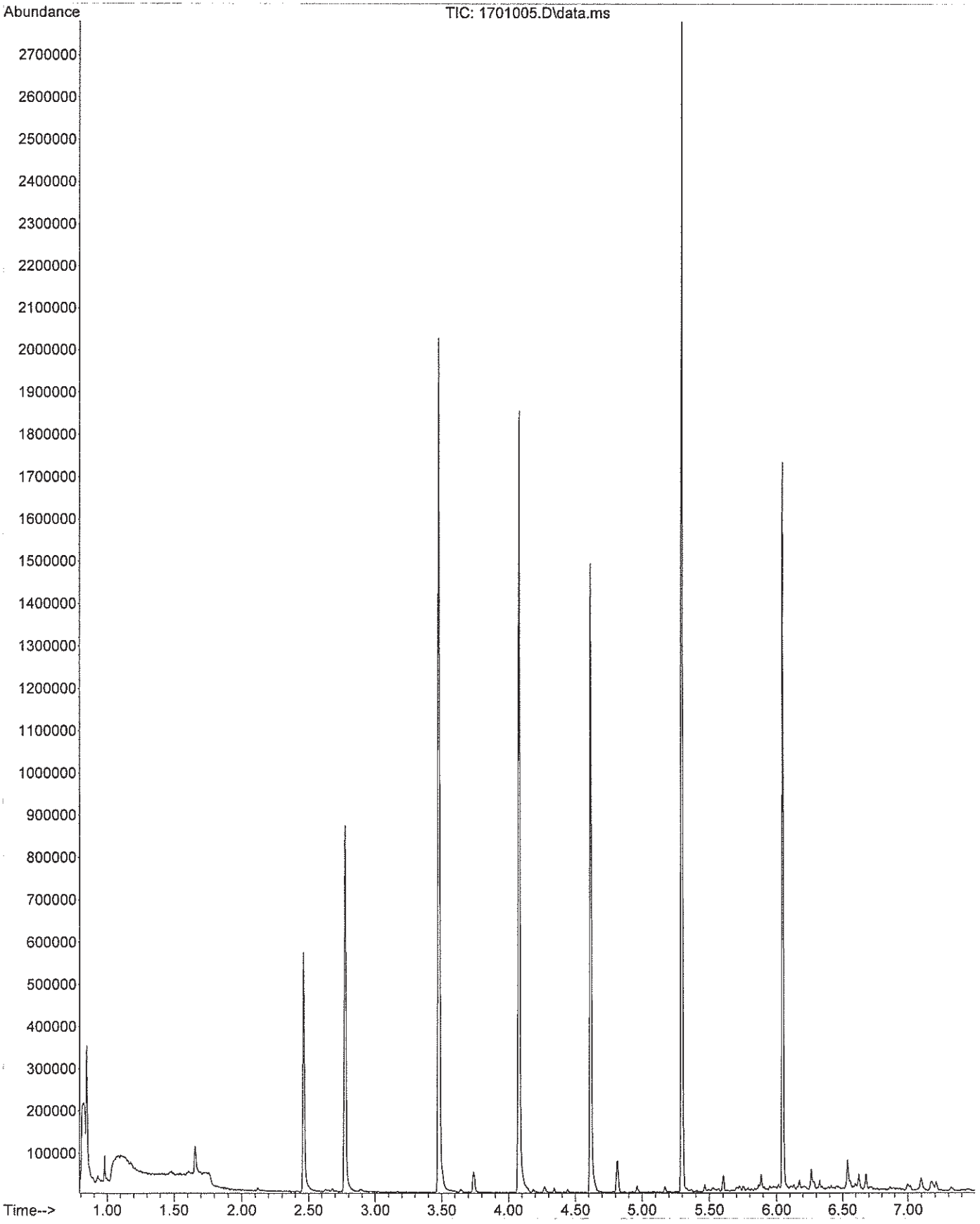
Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	MB	Analyst	SP
Client I.D. :		Initials:	
Sample Amt (g) :	5	Final Volume (mL):	10
Matrix : Soil		Extract Dilution :	1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1			**No VOC detected above LOR**			1

1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	779376	50
2	4.08	Chlorobenzene-d5	1666526	50
3	5.30	1,4-Dichlorobenzene-d4	2066091	50
4	6.05	Napthalene-d8	1143428	50

File :C:\msdchem\1\DATA\2578474\1701005.D
Operator : GW
Acquired : 21 Feb 2012 2:08 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_2
Misc Info :
Vial Number: 17



ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

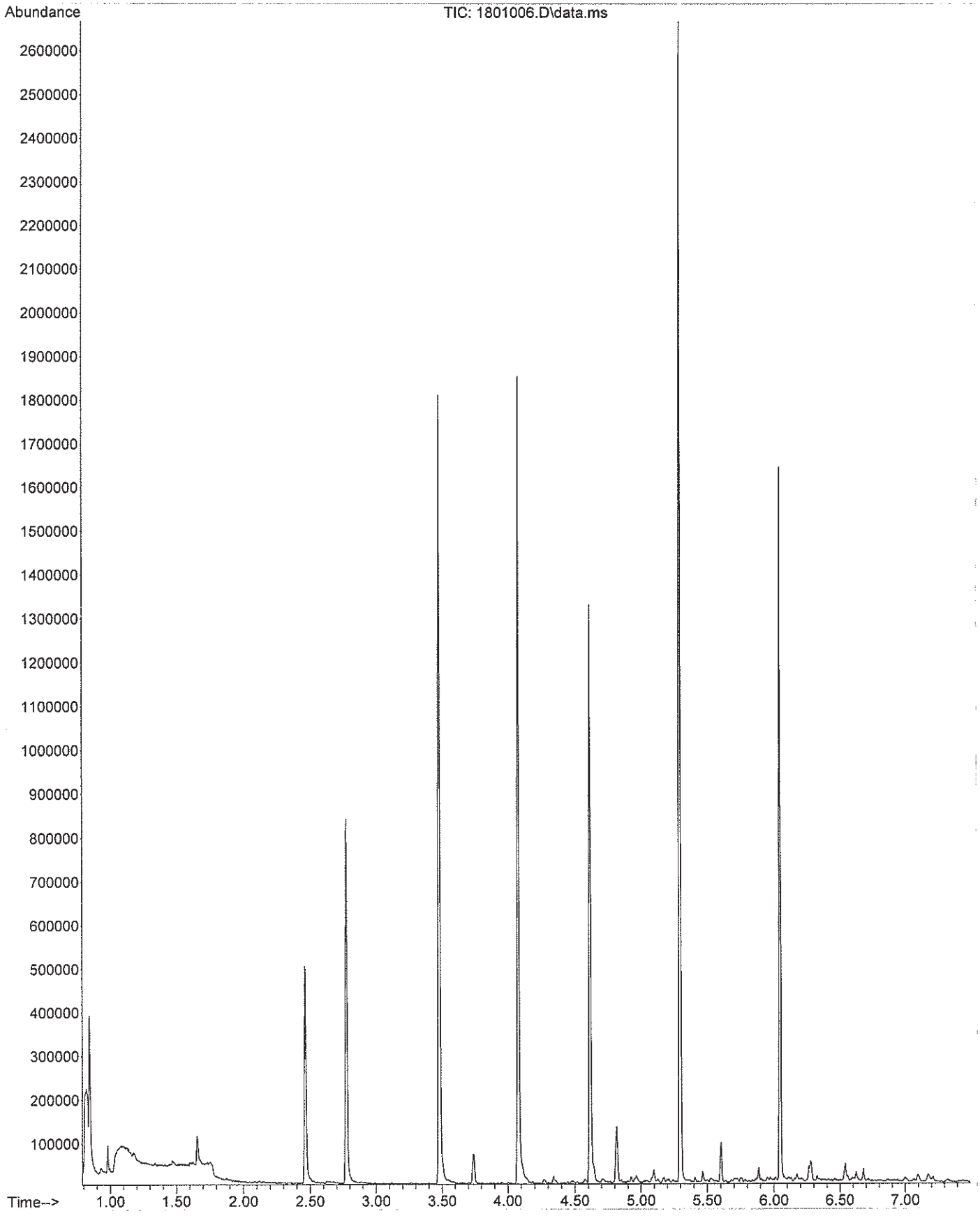
Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	1	Analyst	SP
Client I.D. :	A8HA2\2001	Initials:	
Sample Amt (g) :	5.21	Final Volume (mL):	10
Matrix : Soil		Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1			**No VOC detected above LOR**			1

1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	758035	50
2	4.08	Chlorobenzene-d5	1629282	50
3	5.30	1,4-Dichlorobenzene-d4	1976095	50
4	6.05	Napthalene-d8	1114764	50

File :C:\msdchem\1\DATA\2578474\1801006.D
Operator : GW
Acquired : 21 Feb 2012 2:26 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_3
Misc Info : A8HA2\2001
Vial Number: 18



ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	2	Analyst	SP
Client I.D. :	A8HA4\2001	Initials:	
Sample Amt (g) :	5.29	Final Volume (mL):	10
Matrix : Soil		Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1			**No VOC detected above LOR**			1
2						
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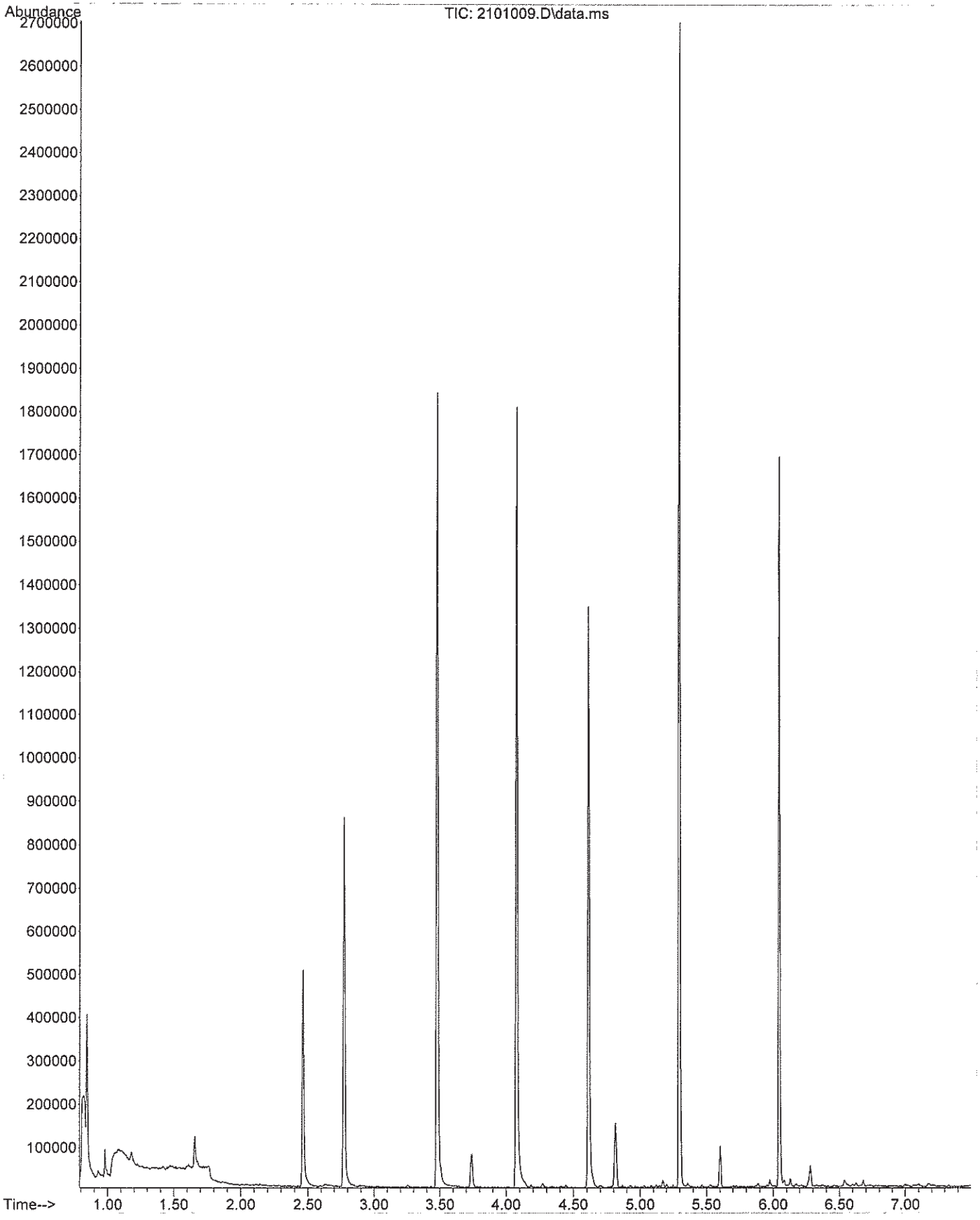
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	754829	50
2	4.08	Chlorobenzene-d5	1637794	50
3	5.30	1,4-Dichlorobenzene-d4	1996688	50
4	6.05	Napthalene-d8	1100740	50

File :C:\msdchem\1\DATA\2578474\2101009.D
Operator : GW
Acquired : 21 Feb 2012 3:18 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_6
Misc Info : A8HA4\2001
Vial Number: 21



ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

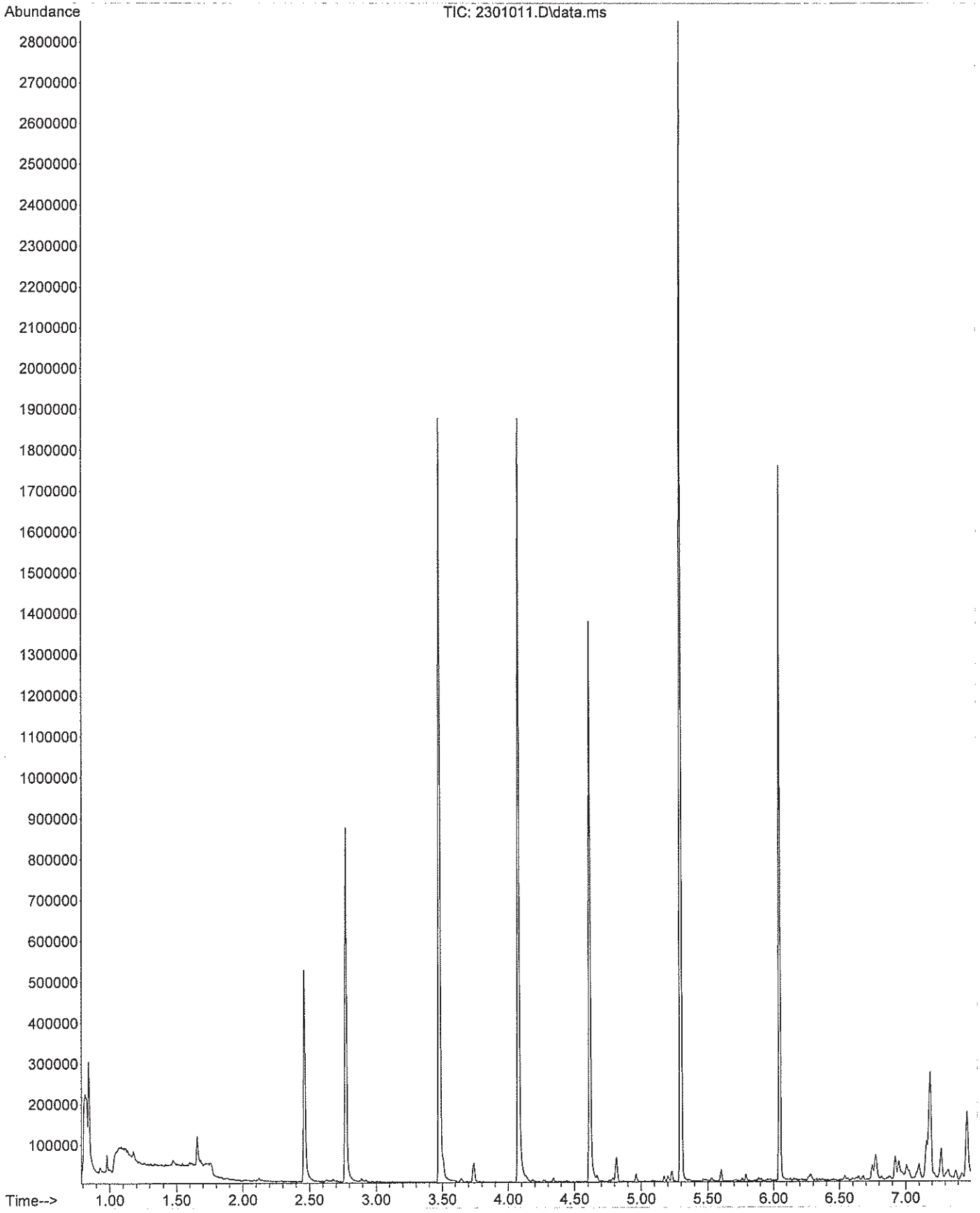
Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	6	Analyst	SP
Client I.D. :	A8HA4\2001	Initials:	
Sample Amt (g) :	5.26	Final Volume (mL):	10
Matrix : Soil		Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	7.19	95	**1H-Cycloprop[e]azulene, decahydro-1,1,7-trimethyl-4-methylene-, [1aR--(1a.alpha.,4a.beta.,7.alpha.,7a.beta.,7b.alpha.)]-**	372257	1.52	4
2	7.47	90	**Azulene, 1,2,3,5,6,7,8,8a-octahydro-1,4-dimethyl-7-(1-methylethenyl)-, [1S-(1.alpha.,7.alpha.,8a.beta.)]-**	201402	0.82	4

1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	785599	50
2	4.08	Chlorobenzene-d5	1648847	50
3	5.30	1,4-Dichlorobenzene-d4	2048831	50
4	6.05	Napthalene-d8	1164680	50

File :C:\msdchem\1\DATA\2578474\2301011.D
Operator : GW
Acquired : 21 Feb 2012 3:52 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_8
Misc Info : A8HA4\2001
Vial Number: 23



ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	4	Analyst	SP
Client I.D. :	A8HA5\2801	Initials:	
Sample Amt (g) :	5.5	Final Volume (mL):	10
Matrix : Soil		Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1			**No VOC detected above LOR**			1
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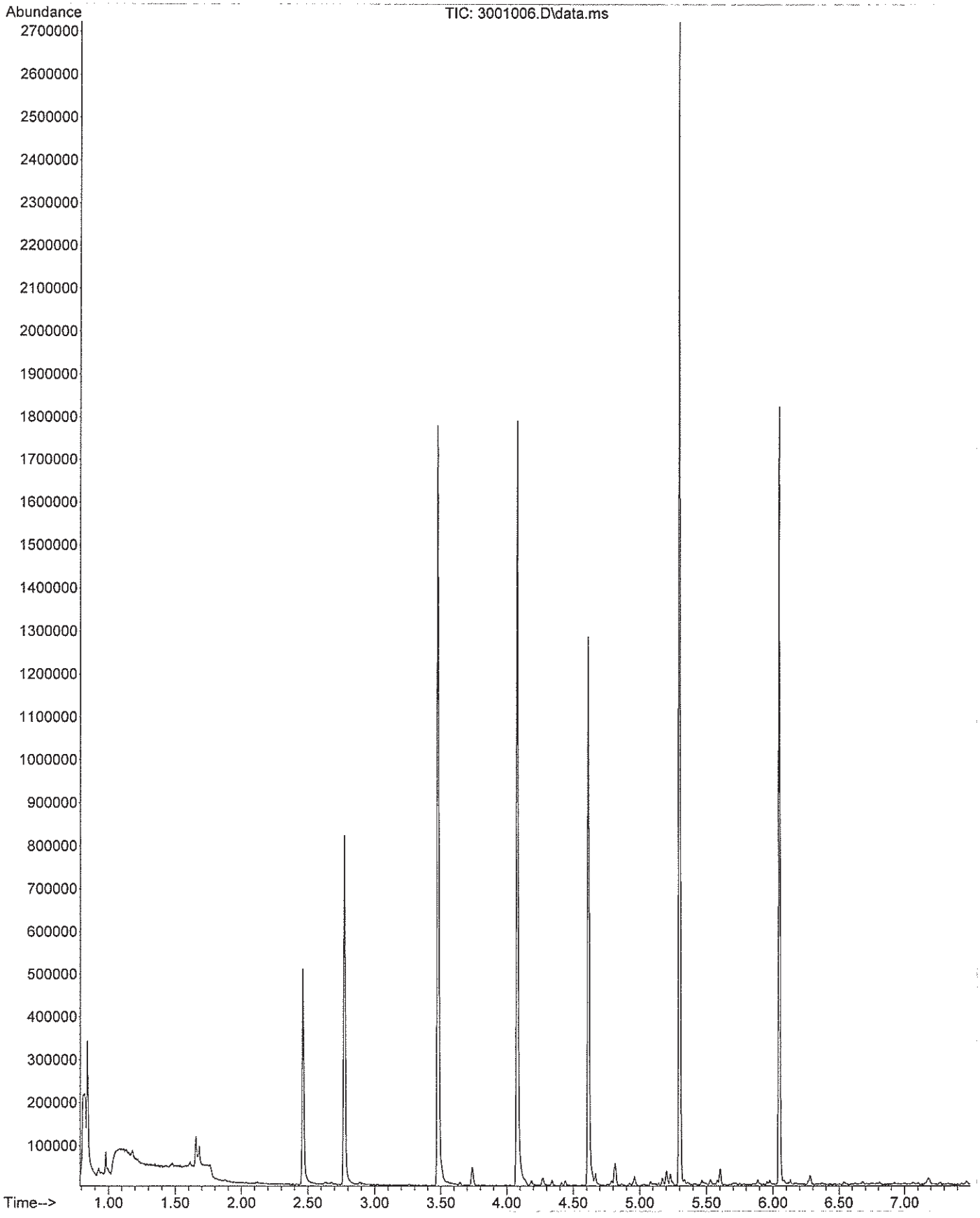
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	733411	50
2	4.08	Chlorobenzene-d5	1597561	50
3	5.30	1,4-Dichlorobenzene-d4	1985154	50
4	6.05	Napthalene-d8	1209465	50

File :C:\msdchem\1\DATA\2578474\3001006.D
Operator : GW
Acquired : 21 Feb 2012 6:05 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_9
Misc Info : A8HA5\2801
Vial Number: 30



ANALYTICAL RESULTS SHEET

EP-072

Volatile Scan for Unknowns

(20 Largest Peaks > LOR)

Batch No.:	EM1201711	Units : mg/kg	
Sample I.D. :	5	Analyst	SP
Client I.D. :	A8HTB\2701	Initials:	
Sample Amt (g) :	5.21	Final Volume (mL):	10
Matrix : Soil		Extract Dilution : 1:	1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1			**No VOC detected above LOR**			1
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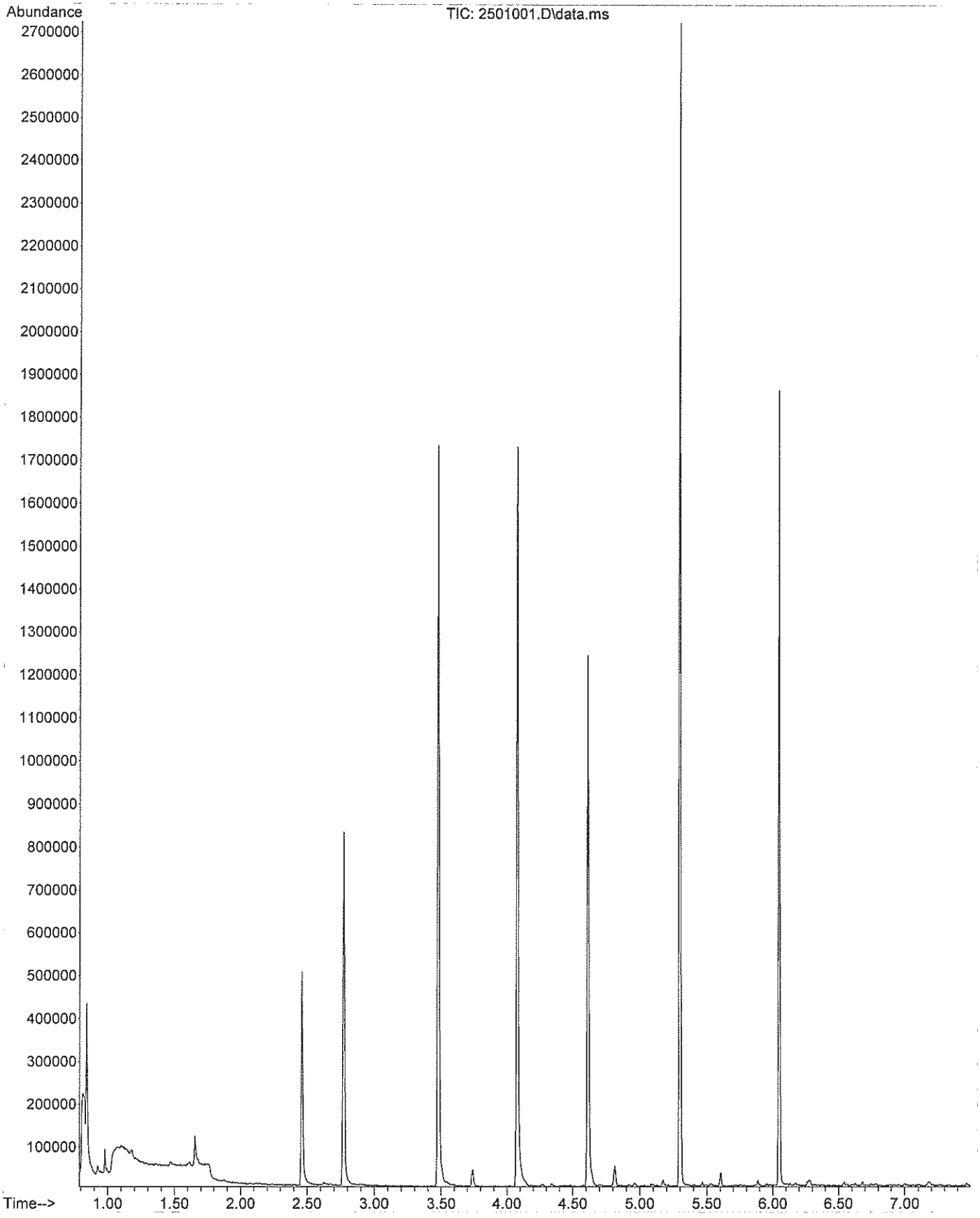
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.
2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.
3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	2.77	1,4-Difluorobenzene	718400	50
2	4.08	Chlorobenzene-d5	1583358	50
3	5.30	1,4-Dichlorobenzene-d4	1944191	50
4	6.05	Napthalene-d8	1177399	50

File :C:\msdchem\1\DATA\2578474\2501001.D
Operator : GW
Acquired : 21 Feb 2012 4:39 pm using AcqMethod FASTVOC.M
Instrument : VO5
Sample Name: 2578474_10
Misc Info : A8HTB\2701
Vial Number: 25



ANALYTICAL RESULTS SHEET

EP-073
Semivolatile Scan for Unknowns
(20 Largest Peaks > LOR)

SHEET413/1

Batch No.: EM1201711 Units : mg/kg

Sample I.D. : 1 Client I.D. : A8HA2\2001

Analyst : AW

Sample Amt (g) : 20.7 Final Volume (mL): 5

Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	11.479	98	tetratetracontane	2414000	0.9	6
2	12.027	96	eicosane isomer	2485168	1.0	6
3	12.762	96	substituted naphthalene	9274223	3.6	6
4	12.872	96	substituted alkene	8265068	3.2	6
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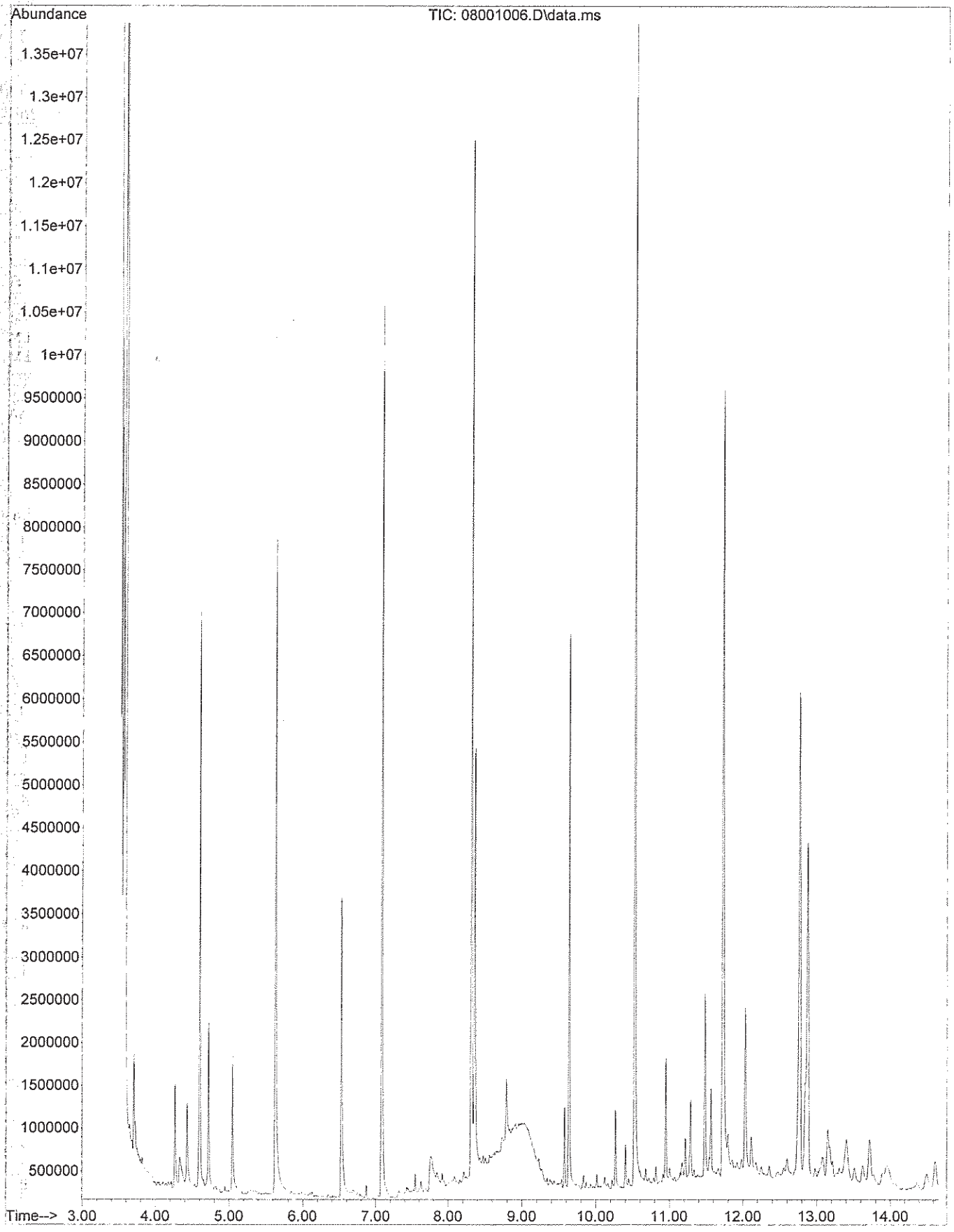
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.60	1,4-Dichlorobenzene-d4	5564065	20
2	5.63	Naphthalene-d8	9128053	20
3	7.08	Acenaphthene-d10	10392952	20
4	8.31	Phenanthrene-d10	11325963	20
5	10.52	Chrysene-d12	14618416	20
6	11.72	Perylene-d12	12558330	20

File :D:\MSDCHEM\1\DATA\2581531\08001006.D
Operator : SV15
Acquired : 23 Feb 2012 5:41 pm using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2581531_10
Misc Info : A8HA2\2001
Vial Number: 80



ANALYTICAL RESULTS SHEET

EP-073
Semivolatile Scan for Unknowns
(20 Largest Peaks > LOR)

SHEET413/1

Batch No.: EM1201711 Units : mg/kg
Sample I.D. : 2 Client I.D. : A8HA4\2001
Analyst : AW
Sample Amt (g) : 20.4 Final Volume (mL): 5
Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	8.792	95	hexadecanoic acid	4810961	1.8	4
2	10.949	91	dotriacontane	3159147	1.0	5
3	11.485	89	hexatriacontane isomer	5387882	1.8	6
4	12.033	95	hexatriacontane isomer	5900391	2.0	6
5	12.762	95	nonadecane	6565743	2.2	6
6	13.717	95	stigmastenone	5611774	1.9	6
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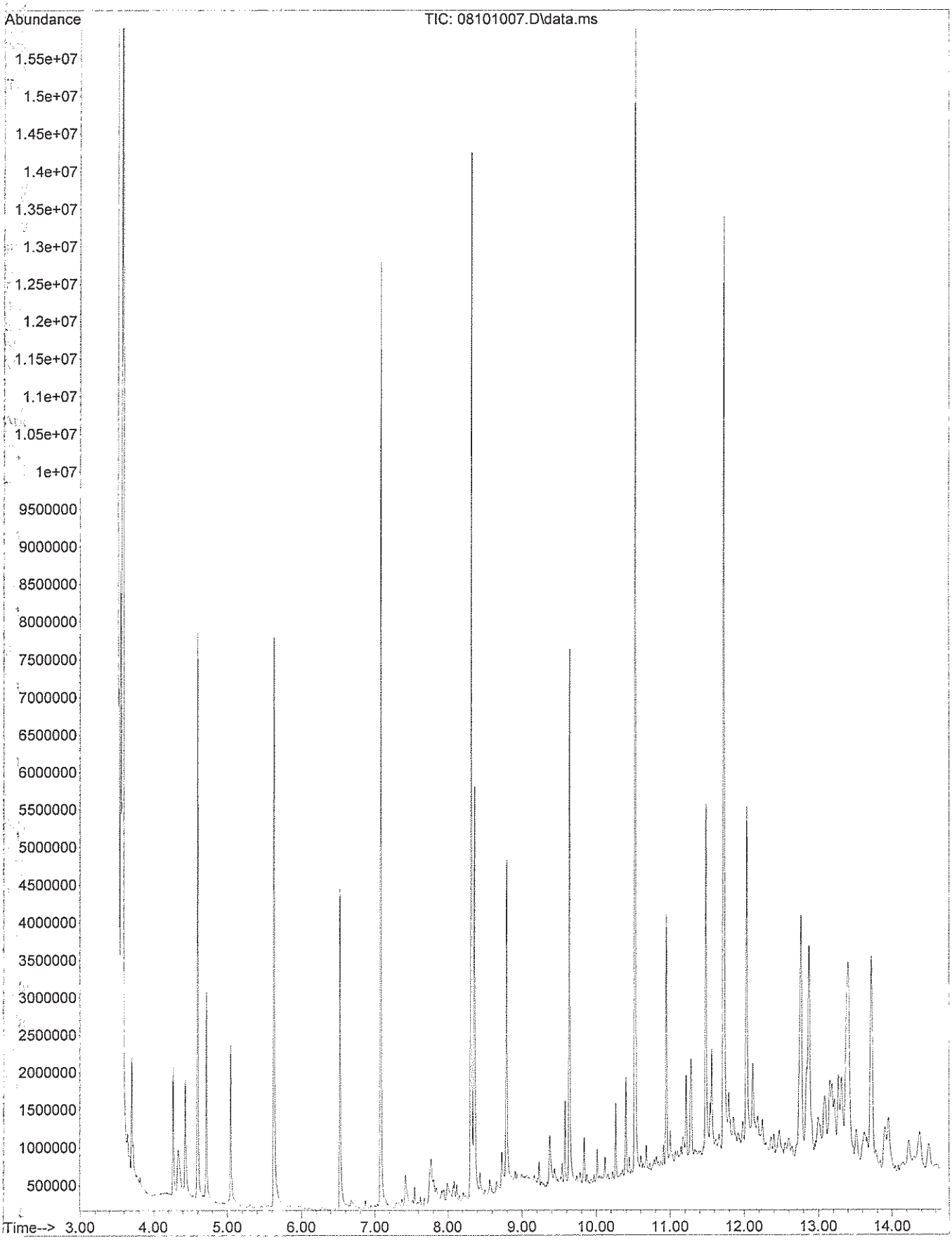
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.60	1,4-Dichlorobenzene-d4	6179963	20
2	5.63	Naphthalene-d8	8830498	20
3	7.08	Acenaphthene-d10	11219426	20
4	8.31	Phenanthrene-d10	13001500	20
5	10.52	Chrysene-d12	14823883	20
6	11.72	Perylene-d12	14752702	20

File :D:\MSDCHEM\1\DATA\2581531\08101007.D
Operator : SV15
Acquired : 23 Feb 2012 6:00 pm using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2581531_11
Misc Info : A8HA4\2001
Vial Number: 81



ANALYTICAL RESULTS SHEET

EP-073
Semivolatile Scan for Unknowns
(20 Largest Peaks > LOR)

SHEET413/1

Batch No.: EM1201711 Units : mg/kg
Sample I.D. : 3 Client I.D. : A8HA5\2001
Analyst : AW
Sample Amt (g) : 22.5 Final Volume (mL): 5
Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	6.869	99	Substituted cycloprop[e]azulene isomer	11467225	4.1	3
2	7.294	95	Bishydroxyethyldodecanamide	2614353	0.9	3
3	7.545	83	Globulol	12876507	4.6	3
4	7.935	93	Tetradecanoic acid isomer	2239653	0.8	3
5	8.081	98	Tetradecanoic acid isomer	5693857	1.1	4
6	8.442	97	Pentadecanoic acid	6495033	1.3	4
7	8.67	93	Hexadecanoic acid isomer	5630864	1.1	4
8	8.734	90	Hexadecenoic acid isomer	3641048	0.7	4
9	8.815	95	Hexadecanoic acid isomer	38551471	7.8	4
10	9.008	98	Heptadecanoic acid isomer	1805850	0.5	5
11	9.13	95	Heptadecanoic acid isomer	3788267	1.1	5
12	9.398	97	Oleic acid	19167050	5.7	5
13	9.451	98	Octadecanoic acid	6205725	1.9	5
14	9.999	86	Cyclododecanone	4385706	1.3	5
15	10.949	95	Octadecane	3476752	1.0	5
16	11.485	95	Hexatriacontane isomer	6926088	2.3	6
17	12.033	95	Hexatriacontane isomer	5069714	1.7	6
18	12.767	86	Substituted cycloprop[e]azulene isomer	8933216	3.0	6
19	13.723	97	Stigmastenone	10283856	3.4	6
20						

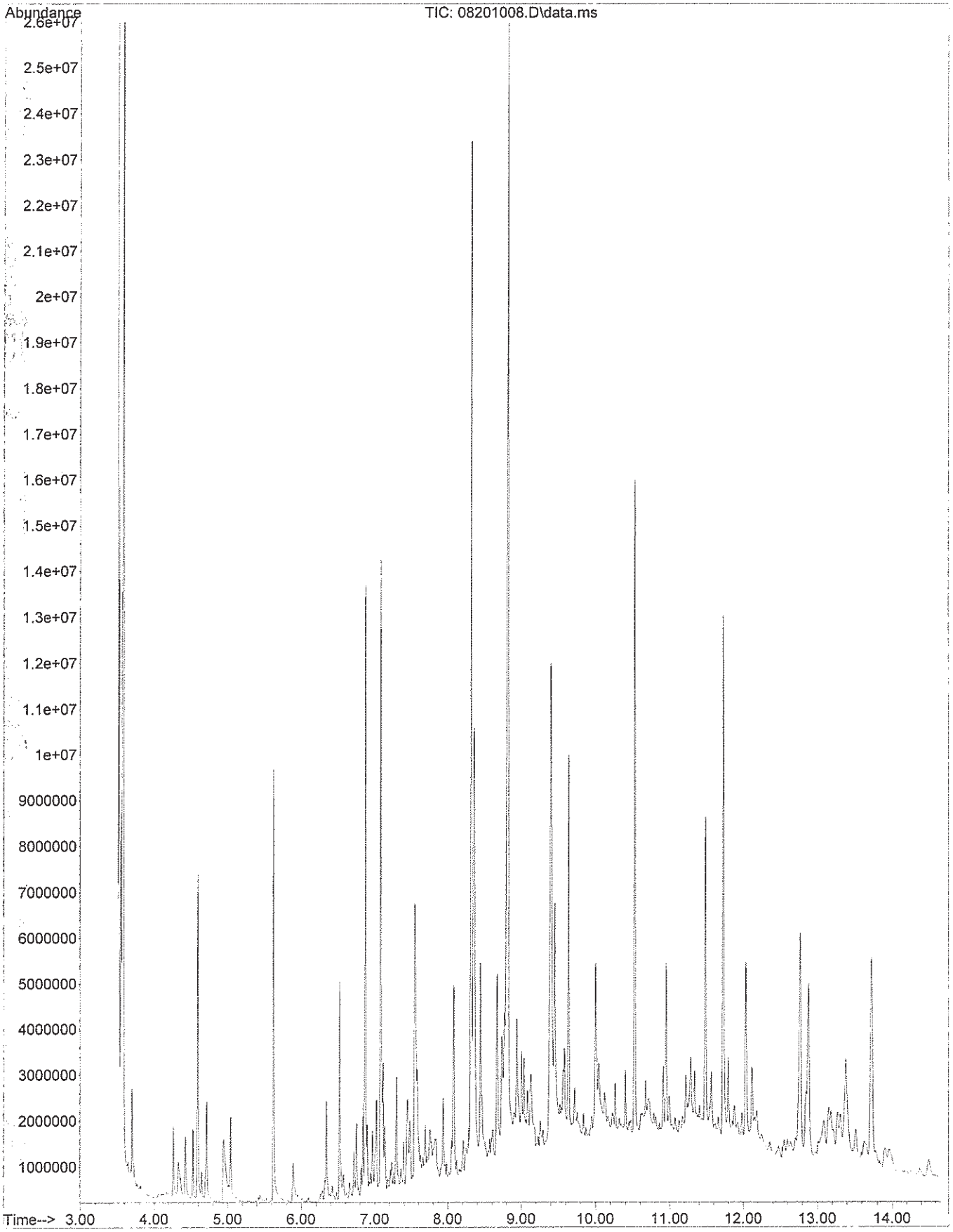
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.60	1,4-Dichlorobenzene-d4	5586165	20
2	5.63	Naphthalene-d8	8017217	20
3	7.08	Acenaphthene-d10	12490838	20
4	8.31	Phenanthrene-d10	22085794	20
5	10.52	Chrysene-d12	14845253	20
6	11.72	Perylene-d12	13259505	20

File :D:\MSDCHEM\1\DATA\2581531\08201008.D
Operator : SV15
Acquired : 23 Feb 2012 6:19 pm using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2581531_12
Misc Info : A8HA5\2001
Vial Number: 82



ANALYTICAL RESULTS SHEET

EP-073
Semivolatile Scan for Unknowns
(20 Largest Peaks > LOR)

SHEET413/1

Batch No.: EM1201711 Units : mg/kg
Sample I.D. : 4 Client I.D. : A8HA5\2801
Analyst : AW
Sample Amt (g) : 21.8 Final Volume (mL): 5
Matrix : Soil Extract Dilution : 1: 1

	Retention Time (min)	Unknown Match Quality (%)	COMPOUND tentatively identified from Library Search (NBS49K)	Compound Area	Estimated Amount	IS #
1	12.033	98	Hexatriacontane	3088844	1.1	6
2	12.779	89	Methoxyfriedooleanene	31308869	11.3	6
3	12.884	n/a	Unknown compound	23233170	8.4	6
4						
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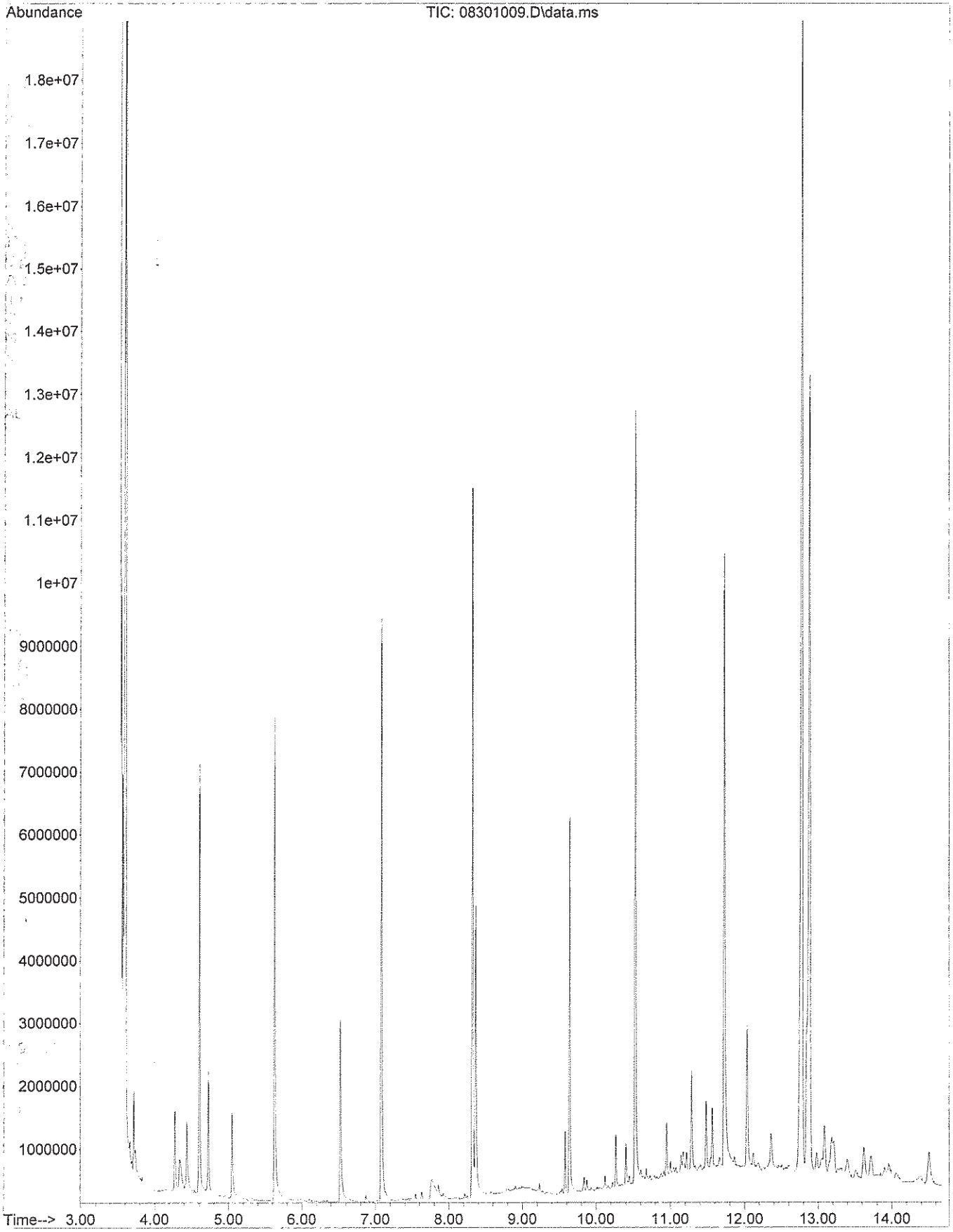
1) The "Unknown Match Quality" is a value representing the probability that the unknown is correctly identified from a reference spectrum. An N/A in this field indicates that a generalized compound catagory has been inserted due to low spectra matches.

2) The estimated concentration is based on an assumed 1:1 response ratio with the closest eluting Internal Standard.

3) The level of reporting (LOR) is equal to one tenth of the concentration of the associated internal standard, which is equivalent to 0.5 mg/kg.

IS #	R.T.	Internal Standard	Area	Amount ng/uL
1	4.60	1,4-Dichlorobenzene-d4	5687866	20
2	5.63	Naphthalene-d8	8124133	20
3	7.08	Acenaphthene-d10	9764385	20
4	8.31	Phenanthrene-d10	10413412	20
5	10.52	Chrysene-d12	13520722	20
6	11.72	Perylene-d12	12693327	20

File :D:\MSDCHEM\1\DATA\2581531\08301009.D
Operator : SV15
Acquired : 23 Feb 2012 6:37 pm using AcqMethod FASTSVOC.M
Instrument : SV-15
Sample Name: 2581531_13
Misc Info : A8HA5\2801
Vial Number: 83



CERTIFICATE OF ANALYSIS

Work Order	: **EM1201711**	s7el	P1g g1o
yRCir	P**GOLDER ASSOCIATES**	f7L:b7r:bt	PEinCi v l ir7Fgm0CiCigMl FE.:Dbi l
y:ir7ur	Pc C7v NgMuy:bv 7uh	y:ir7ur	Pk7v 7irN7gk v CN
SAAbl aa	Ps gd gDd BgK036 ODCFACeg89p30,o--gk87igkr9gwCNv:iA9gRVy lg 121 HSWTHdwc gWEk TgRVy 9gSUk TwSf \Sg 122	SAAbl aa	P4gWl ar7FFgwAgk pbCen7FFgRVy gSDarb7FC7g 131
E,v 7CF	Pi v uu:bv 7uh@e:FAl bu:v l7D	E,v 7CF	Pa7v 7irN7lav CN@7FaeF:L7Ffu:v
TlIFpN:i l	P+X1g0.g--X2g o00	TlIFpN:i l	P+X1,.,-o46g6X44
57uaC CF	P+X1g0.g--X2g o01	57uaC CF	P+X1,.,-o46g6X01
sb jlur	P113X1.201	Qy gl nl F	Pc Es Mgl666gkuNl ADFFgO(.)g7i AgSf kgQy k.gb qDCb v l ir
dbAl bgi Dv LI b	PGS,MEf Og.2o06		
y,d,ygi Dv LI b	P,,,,	m7rl gk7v pFFagvl ul CIA	P13,5EO,2012
k7v pIFb	PwH	\aaDl gm7rl	P23,5EO,2012
kCb	P5gRVy		
		c:lg ga7v pFFagbl ul CIA	PX
QD:rl gi Dv LI b	PME/0o4/12	c:lg ga7v pFFag7i 7Ffal A	PX

TNCag bl p:brg aDpl bal Al ag 7i t g pbl nCDag bl p:br(a)g 8CNg rNCag bl l bl i ul lg wl aDFrag 7ppIFg r:g rNl g a7v pFF(a)g 7ag aDLv Cbl Alg SFFg p7el ag:g rNCag bl p:brg N7nl g LI l i g uNl uhl Ag 7i Ag 7ppbl nl Ag :t bl FF7al lg

TNCagy l brCC7rl g gSi 7IFaCgu:ir7CagNl g:FF:8CegC:bv 7rCi P

- Gl i l b7Fgy:v v l i ra
- Si 7IFrnC7Fgwl aDFra
- kDbb e7rl gy:i rb:FgfC:Ca

c STSgSuubl ACl Agf7L:b7r:bt g 2o
g
Suubl ACl Ag:bgu:v pRZi ul g8 CNg
Vkd/VEy gl 302ol

Signatories

TNCag A:uDv l i rg N7ag LI l i g I FFurb:i C7FFg aCi l Ag Lt g rNl g 7DrN:b2l Ag aCi 7r:bCag CAC7rl Ag LI F:8 lg EFFurb:i Cg aCi Ceg N7ag LI l i u7bbCAg DrgCgu:v pRZi ul g8 CNgpb:ul ADbl agapl uCCAgCg21gy 5wgs 7brgf1l

Signatories	*Position*	*Accreditation Category*
mCZi CG5l bi 7i A:	kl i Cbgl V:be7i Cgy Nl v Car	Ml FE.:Dbi l gV:be7i Ca
EbCgy N7D	Ml r7FagTl 7v gf l 7Al b	Ml FE.:Dbi l gV:be7i Ca
c7i ut gW7i e	kl i Cbgk l v C:F7nCF gV arbDv l i rgy Nl v Car	Ml FE.:Dbi l gd be7i Ca
sN7F7hgV rN7ha:i l	f7L:b7r:bt gM7i 7el bgg d be7i Ca	kt Ai l t gd be7i Ca
R7baN7gH:gWCe	c:i ,Ml r7FagTl 7v gf l 7Al b	Ml FE.:Dbi l gV:be7i Ca
BCeLCgf C	kl i Cbgd be7i Cgy Nl v Car	Ml FE.:Dbi l gd be7i Ca

s 7el	P . g gfo
W: bhgd bAl b	P EM1201311
y fCi r	P Gd f mEwgSk k d y \STEk
s b: jl ur	P 113X1. 201

General Comments

TNl g 7i 7ffrQ7fg pb: ul ADbl ag Dal Ag Lt g rNl g Ei n@i v l i r7fg m@@Ci g N7nl g Ll l i g Al nl F: pl Ag b: v g l ar7LfaNl Ag Crl b: 7rCi 7ffe g b: u: ei @l Ag pb: ul ADbl ag aDuNg 7ag rN: al g pDLfaNl Ag Lt g rNl g Uk Es S9g Ss HS9g Sk g 7i Ag c Es Mlg V g N: Dal Al nl F: pl Agpb: ul ADbl ag7b: d v pF: t l Ag@Cg rNl g7LaI i ul g gA: uDv l i rl Agar7i A7bAag bgLt guffCi rgbl qDl arl

WNl bl gv : @arDbl gAl rl bv @7rCi gN7agLl l i gpl b: bv l A9gbl aDfrag7bl gbl p: brl Ag i g7gAbt g8 l @Nrg_7a@al

WNl bl g7gbl p: brl AgFaagrN7i g(<)gbl aDfrg@gN@Nl bgrN7i grNl gf d w9grN@agy 7t g_l gADl g: gpb@ 7bt ga7v pFFg lxrb7ur/A@l ar7rl gA@Dr@i g7i A/: bg@aD @@i rga7v pFFg: bg7i 7ffa@al

WNl bl grNl gf d wg g7gbl p: brl Agbl aDfrgACl bagb: v gar7i A7bAgf d w9grN@agy 7t g_l gADl g: gN@Ngy : @arDbl gu: i rl i r9g@aD @@i rga7v pFFg(b ADul Ag8 l @Nrg v pF: t l A)g bgy 7rb@g@rl bl bl i ul l

WNl iga7v pf@egv@ l g@ : bv 7rCi g@ag : rgpb: n@Al Ag_t grNl guf@i r9ga7v pf@egA7rl ag7bl gaN: 8 i g8 @rN: Drg7gv@ l gu: v p: i l i rlgbVgNl al g@ar7i ul a9grNl gv@ l gu: v p: i l i rgN7ag_l l i g7aaDv l Ag_t grNl gf7L: b7r: bt g: bgpb: ul aa@egpDbp: al al

Kl t gP y Sk g@: Dv Ll bg=gy Sk gbl e@arbt g Dv Ll bgb: v gA7r7L7al gy 7@r7@l Ag_t gy N l v @7fg$Larb7uragk l bn@l algTN gy N l v @7fg$Larb7uragk l bn@l g@g7gA@@@Ci g gNl gSv l b@7i gy N l v @7fgk : u@rt l
f d wg=gf @ @g gbl p: br@e
^g=gTN@gbl aDfrg@gu: v pDrl Agb: v g@:A@@AD7fg7i 7ffrl gAl rl ur@i ag7rg bg7L: nl grNl gFnl fg gbl p: br@e

- **EP066/068: EM1201711_1-3 Particular samples required dilution prior to analysis due to matrix interferences. LOR values have been adjusted accordingly.**
- **EP075: 'Sum of PAH' is the sum of the USEPA 16 priority PAHs**
- **EP321: PFOA & PFOS results are reported as an aggregate of linear and branched isomers. Matrix spike recovery not determined for PFOA & PFOS due to high background level of target analytes.**
- **Perchlorates and PFOS/PFOA conducted by ALS Sydney, NATA accreditation no. 825, site no 10911.**

s 7el P 4g glo
W: bhgdbAl b P EM1201311
y fCi r P Gd f mEwgSk k d y \STEk
s b jl ur P 113X1. 201

Analytical Results

k DL, M7rb&: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EA002 : pH (Soils)								
pH Value	,,,,	0l1	pHgJi C	6.9	,,,,	6.5	6.5	,,,,
EA055: Moisture Content								
Moisture Content (dried @ 103°C)	,,,,	1l0	µ	22.9	19.2	18.9	29.0	<1l0
EG005T: Total Metals by ICP-AES								
Arsenic	3440,. - ,2	o	v e/he	10	<o	6	<o	,,,,
Cadmium	3440,4. ,6	1	v e/he	<1	<1	<1	<1	,,,,
Chromium	3440,43,.	2	v e/he	62	24	58	43	,,,,
Copper	3440,o0,-	o	v e/he	7	<o	7	6	,,,,
Lead	34. 6,62,1	o	v e/he	17	8	19	18	,,,,
Nickel	3440,02,0	2	v e/he	12	6	12	8	,,,,
Zinc	3440,XX,X	o	v e/he	14	14	14	7	,,,,
EG035T: Total Recoverable Mercury by FIMS								
Mercury	34. 6,63,X	0l1	v e/he	<0l1	<0l1	<0l1	<0l1	,,,,
EP004: Organic Matter								
Total Organic Carbon	,,,,	0lo	µ	2.2	3.2	2.7	1.4	,,,,
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	,,,,	0l10	v e/he	<0l20	<0l20	<0l20	<0l10	,,,,
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	. 16,-4,X	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Hexachlorobenzene (HCB)	11-,34,1	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
beta-BHC	. 16,-o,3	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
gamma-BHC	o-,-6,6	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
delta-BHC	. 16,-X,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Heptachlor	3X,44,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Aldrin	. 06,00,2	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Heptachlor epoxide	1024,o3,.	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
trans-Chlordane	o10. ,34,2	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
alpha-Endosulfan	6o6,6-,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
cis-Chlordane	o10. ,31,6	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Dieldrin	X0,o3,1	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
4.4`-DDE	32,oo,6	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Endrin	32,20,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
beta-Endosulfan	. . 21. ,Xo,6	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
4.4`-DDD	32,o4,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Endrin aldehyde	3421,6. ,4	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Endosulfan sulfate	10. 1,03,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
4.4`-DDT	o0,26,.	0l2	v e/he	<0l4	<0l4	<0l4	<0l2	,,,,

Analytical Results

k DL, M7rb&: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
				Client sampling date / time: 1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP068A: Organochlorine Pesticides (OC) - Continued								
Endrin ketone	o. 464,30,o	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Methoxychlor	32,4. ,o	0l2	v e/he	<0l4	<0l4	<0l4	<0l2	,,,,
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	X2,3. ,3	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Demeton-S-methyl	616,-X,-	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Monocrotophos	X62. ,22,4	0l2	v e/he	<0l4	<0l4	<0l4	<0l2	,,,,
Dimethoate	X0,o1,o	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Diazinon	. . . ,41,o	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Chlorpyrifos-methyl	oo6- , 1. ,0	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Parathion-methyl	26- ,00,0	0l2	v e/he	<0l4	<0l4	<0l4	<0l2	,,,,
Malathion	121,3o,o	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Fenthion	oo,. - ,6	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Chlorpyrifos	2621,- - ,2	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Parathion	oX,. - ,2	0l2	v e/he	<0l4	<0l4	<0l4	<0l2	,,,,
Pirimphos-ethyl	2. o0o,41,1	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Chlorfenvinphos	430,60,X	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Bromophos-ethyl	4- 24,3- ,X	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Fenamiphos	22224,62,X	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Prothiofos	. 4X4. ,4X,4	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Ethion	oX. ,12,2	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Carbophenothion	3- X,16,X	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
Azinphos Methyl	- X,o0,0	0l0o	v e/he	<0l10	<0l10	<0l10	<0l0o	,,,,
EP074A: Monocyclic Aromatic Hydrocarbons								
Benzene	31,4. ,2	0l2	v e/he	<0l2	<0l2	<0l2	<0l2	<0l2
Toluene	10- ,- - ,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Ethylbenzene	100,41,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
meta- & para-Xylene	10- ,. - ,. gl0X,42,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Styrene	100,42,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
ortho-Xylene	6o,43,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Isopropylbenzene	6- ,- 2,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
n-Propylbenzene	10. ,Xo,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.3.5-Trimethylbenzene	10- ,X3,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
sec-Butylbenzene	1. o,6- ,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2.4-Trimethylbenzene	6o,X. ,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
tert-Butylbenzene	6- ,0X,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
p-Isopropyltoluene	66,- 3,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
n-Butylbenzene	104,o1,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
EP074B: Oxygenated Compounds								

Analytical Results

k DL, M7rb&: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
				Client sampling date / time: 1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP074B: Oxygenated Compounds - Continued								
Vinyl Acetate	10-,0o,4	o	v e/he	<o	<o	<o	<o	<o
2-Butanone (MEK)	3-,6.,.	o	v e/he	<o	<o	<o	<o	<o
4-Methyl-2-pentanone (MIBK)	10-,10,1	o	v e/he	<o	<o	<o	<o	<o
2-Hexanone (MBK)	o61,3-,X	o	v e/he	<o	<o	<o	<o	<o
EP074C: Sulfonated Compounds								
Carbon disulfide	3o,1o,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
EP074D: Fumigants								
2.2-Dichloropropane	o64,20,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2-Dichloropropane	3-,-3,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
cis-1.3-Dichloropropylene	100X1,01,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
trans-1.3-Dichloropropylene	100X1,02,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2-Dibromoethane (EDB)	10X,6.,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	3o,31,-	o	v e/he	<o	<o	<o	<o	<o
Chloromethane	34,-3,.	o	v e/he	<o	<o	<o	<o	<o
Vinyl chloride	3o,01,4	o	v e/he	<o	<o	<o	<o	<o
Bromomethane	34,-.,6	o	v e/he	<o	<o	<o	<o	<o
Chloroethane	3o,00,.	o	v e/he	<o	<o	<o	<o	<o
Trichlorofluoromethane	3o,X6,4	o	v e/he	<o	<o	<o	<o	<o
1.1-Dichloroethene	3o,.o,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Iodomethane	34,--,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
trans-1.2-Dichloroethene	1oX,X0,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1-Dichloroethane	3o,.4,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
cis-1.2-Dichloroethene	1oX,o6,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1.1-Trichloroethane	31,oo,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1-Dichloropropylene	oX.,o-,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Carbon Tetrachloride	oX,2.,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2-Dichloroethane	103,0X,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Trichloroethene	36,01,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Dibromomethane	34,6o,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1.2-Trichloroethane	36,00,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.3-Dichloropropane	142,2-,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Tetrachloroethene	123,1-,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1.1.2-Tetrachloroethane	X.0,20,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
trans-1.4-Dichloro-2-butene	110,o3,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
cis-1.4-Dichloro-2-butene	143X,11,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.1.2.2-Tetrachloroethane	36,.4,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2.3-Trichloropropane	6X,1-,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo

Analytical Results

k DL, M7rb&: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP074E: Halogenated Aliphatic Compounds - Continued								
Pentachloroethane	3X,01,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.2-Dibromo-3-chloropropane	6X,12,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Hexachlorobutadiene	- 3,X- ,.	0lo	v e/he	,,,,	,,,,	,,,,	,,,,	<0lo
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	10- ,60,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Bromobenzene	10- ,- X,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
2-Chlorotoluene	6o,46,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
4-Chlorotoluene	10X,4. ,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
1.3-Dichlorobenzene	o41,3. ,1	0lo	v e/he	,,,,	,,,,	,,,,	,,,,	<0lo
1.4-Dichlorobenzene	10X,4X,3	0lo	v e/he	,,,,	,,,,	,,,,	,,,,	<0lo
1.2-Dichlorobenzene	6o,o0,1	0lo	v e/he	,,,,	,,,,	,,,,	,,,,	<0lo
1.2.4-Trichlorobenzene	120,- 2,1	0lo	v e/he	,,,,	,,,,	,,,,	,,,,	<0lo
1.2.3-Trichlorobenzene	- 3,X1,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
EP074G: Trihalomethanes								
Chloroform	X3,XX,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Bromodichloromethane	3o,23,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Dibromochloromethane	124,4- ,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
Bromoform	3o,2o,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	<0lo
EP074H: Naphthalene								
Naphthalene	61,20,.	o	v e/he	,,,,	,,,,	,,,,	,,,,	<o
EP075A: Phenolic Compounds								
Phenol	10- ,6o,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2-Chlorophenol	6o,o3,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2-Methylphenol	6o,4- ,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
3- & 4-Methylphenol	1. 16,33,.	0lo	v e/he	<1l0	<1l0	**4.6**	<1l0	,,,,
2-Nitrophenol	- - ,3o,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.4-Dimethylphenol	10o,X3,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.4-Dichlorophenol	120,- . ,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.6-Dichlorophenol	- 3,Xo,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Chloro-3-Methylphenol	o6,o0,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.4.6-Trichlorophenol	- - ,0X,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.4.5-Trichlorophenol	6o,6o,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Pentachlorophenol	- 3,- X,o	1	v e/he	<1	<1	<1	<1	,,,,
EP075B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	61,20,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2-Methylnaphthalene	61,o3,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2-Chloronaphthalene	61,o- ,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,

Analytical Results

k DL, M7rb&: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00	1o,5EO,2012glorP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP075B: Polynuclear Aromatic Hydrocarbons - Continued								
Acenaphthylene	20-,6X,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Acenaphthene	-.,. 2,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Fluorene	-X,3.,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Phenanthrene	-o,01,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Anthracene	120,12,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Fluoranthene	20X,44,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Pyrene	126,00,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-2-Fluorenyl Acetamide	o.,6X.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Benz(a)anthracene	oX,oo,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Chrysene	21-,01,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Benzo(b) & Benzo(k)fluoranthene	20o,66,2g203,0-,6	1	v e/he	<1	<1	<1	<1	,,,,
7.12-Dimethylbenz(a)anthracene	o3,63,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Benzo(a)pyrene	o0,. 2,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
3-Methylcholanthrene	oX,46,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Indeno(1.2.3.cd)pyrene	16.,. 6,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Dibenz(a.h)anthracene	o.,30,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Benzo(g.h.i)perylene	161,24,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
^gSum of PAHs	,,,,	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075C: Phthalate Esters								
Dimethyl phthalate	1.1,11,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Diethyl phthalate	-4,XX,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Di-n-butyl phthalate	-4,34,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Butyl benzyl phthalate	-o,X-,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
bis(2-ethylhexyl) phthalate	113,-1,3	0lo	v e/he	<ol0	<ol0	<ol0	<ol0	,,,,
Di-n-octylphthalate	113,-4,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075D: Nitrosamines								
N-Nitrosomethylethylamine	10o6o,6o,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosodiethylamine	oo,1-,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosopyrrolidine	6.0,oo,2	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
N-Nitrosomorpholine	o6,-6,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosodi-n-propylamine	X21,X4,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosopiperidine	100,3o,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosodibutylamine	624,1X,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
N-Nitrosodiphenyl & Diphenylamine	-X,.0,Xgl22,.6,4	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
Methapyrilene	61,-0,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075E: Nitroaromatics and Ketones								

Analytical Results

k DL, M7rb&: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP075E: Nitroaromatics and Ketones - Continued								
2-Picoline	106,0X,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Acetophenone	6- ,- X,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Nitrobenzene	6- ,6o,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Isophorone	3- ,o6,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2.6-Dinitrotoluene	X0X,20,2	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
2.4-Dinitrotoluene	121,14,2	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
1-Naphthylamine	1. 4,. 2,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Nitroquinoline-N-oxide	oX,o3,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
5-Nitro-o-toluidine	66,oo,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Azobenzene	10. ,. . ,.	1	v e/he	<1	<1	<1	<1	,,,,
1.3.5-Trinitrobenzene	66,. o,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Phenacetin	X2,44,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Aminobiphenyl	62,X3,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Pentachloronitrobenzene	- 2,X- ,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Pronamide	2. 6o0,o- ,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Dimethylaminoazobenzene	X0,11,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Chlorobenzilate	o10,1o,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075F: Haloethers								
Bis(2-chloroethyl) ether	111,44,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Bis(2-chloroethoxy) methane	111,61,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Chlorophenyl phenyl ether	300o,32,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Bromophenyl phenyl ether	101,oo,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075G: Chlorinated Hydrocarbons								
1.3-Dichlorobenzene	o41,3. ,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
1.4-Dichlorobenzene	10X,4X,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
1.2-Dichlorobenzene	6o,o0,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Hexachloroethane	X3,32,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
1.2.4-Trichlorobenzene	120,- 2,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Hexachloropropylene	1- - - ,31,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Hexachlorobutadiene	- 3,X- ,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Hexachlorocyclopentadiene	33,43,4	0lo	v e/he	<2lo	<2lo	<2lo	<2lo	,,,,
Pentachlorobenzene	X0- ,6. ,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Hexachlorobenzene (HCB)	11- ,34,1	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
EP075H: Anilines and Benzidines								
Aniline	X2,o. ,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Chloroaniline	10X,43,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
2-Nitroaniline	- - ,34,4	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
3-Nitroaniline	66,06,2	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,

Analytical Results

k DL, M7rb&: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00	1o,5EO,2012glo P00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP075H: Anilines and Benzidines - Continued								
Dibenzofuran	1. 2,X4,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4-Nitroaniline	100,01,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Carbazole	- X,34,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
3.3`-Dichlorobenzidine	61,64,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP075I: Organochlorine Pesticides								
alpha-BHC	. 16,-4,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
beta-BHC	. 16,-o,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
gamma-BHC	o- ,-6,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
delta-BHC	. 16,-X,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Heptachlor	3X,44,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Aldrin	. 06,00,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Heptachlor epoxide	1024,o3,.	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
alpha-Endosulfan	6o6,6- ,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4.4`-DDE	32,oo,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Dieldrin	X0,o3,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Endrin	32,20,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
beta-Endosulfan	. . 21. ,Xo,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4.4`-DDD	32,o4,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Endosulfan sulfate	10. 1,03,-	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
4.4`-DDT	o0,26,.	0lo	v e/he	<1l0	<1l0	<1l0	<1l0	,,,,
EP075J: Organophosphorus Pesticides								
Dichlorvos	X2,3. ,3	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Dimethoate	X0,o1,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Diazinon	. . . ,41,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Chlorpyrifos-methyl	oo6- ,1. ,0	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Malathion	121,3o,o	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Fenthion	oo,. - ,6	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Chlorpyrifos	2621,-- ,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Pirimphos-ethyl	2. o0o,41,1	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Chlorfenvinphos	430,60,X	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Prothiofos	. 4X4. ,4X,4	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
Ethion	oX. ,12,2	0lo	v e/he	<0lo	<0lo	<0lo	<0lo	,,,,
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	,,,,	10	v e/he	<10	<10	<10	<10	,,,,
C10 - C14 Fraction	,,,,	o0	v e/he	<o0	<o0	<o0	<o0	,,,,
C15 - C28 Fraction	,,,,	100	v e/he	<100	<100	**140**	<100	,,,,
C29 - C36 Fraction	,,,,	100	v e/he	<100	<100	<100	<100	,,,,
^gC10 - C36 Fraction (sum)	,,,,	o0	v e/he	<o0	<o0	**140**	<o0	,,,,

Analytical Results

k DL, M7rb&: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA2\2001	A8HA4\2001	A8HA5\2001	A8HA5\2801	A8HTB\2701
Client sampling date / time				1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00	1o,5EO,2012gloP00
				EM1201711-001	EM1201711-002	EM1201711-003	EM1201711-004	EM1201711-005
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft								
C6 - C10 Fraction	,,,,	10	v e/he	<10	<10	<10	<10	,,,,
>C10 - C16 Fraction	,,,,	o0	v e/he	<o0	<o0	<o0	<o0	,,,,
>C16 - C34 Fraction	,,,,	100	v e/he	<100	<100	200	<100	,,,,
>C34 - C40 Fraction	,,,,	100	v e/he	<100	<100	<100	<100	,,,,
^g>C10 - C40 Fraction (sum)	,,,,	o0	v e/he	<o0	<o0	200	<o0	,,,,
EP216: Perchlorate by LC/MS								
Perchlorate	3X01,60,.	10I0	%e/he	<10I0	<10I0	<10I0	<10I0	,,,,
EP231: Perfluorooctyl Acids and Sulfonates.								
PFOS	13X. ,2. ,1	0I000o	v e/he	0.249	0.0044	0.0012	0.0316	,,,,
PFOA	. . o,X3,1	0I000o	v e/he	0.0273	<0I000o	<0I000o	0.0007	,,,,
6:2 Fluorotelomer Sulfonate (6:2 FtS)	23X16,63,2	0I00o	v e/he	<0I00o	<0I00o	<0I00o	<0I00o	,,,,
EP066S: PCB Surrogate								
Decachlorobiphenyl	20o1,24,.	0I1	µ	80.2	83.4	88.7	80.6	,,,,
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21Xoo,3. ,2	0I1	µ	97.1	96.0	99.2	87.3	,,,,
EP068T: Organophosphorus Pesticide Surrogate								
DEF	3- ,4- ,-	0I1	µ	89.3	91.4	99.6	85.5	,,,,
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	130X0,03,0	0I1	µ	82.2	84.3	86.8	87.6	84.4
Toluene-D8	20. 3,2X,o	0I1	µ	83.7	85.3	85.3	83.3	81.8
4-Bromofluorobenzene	4X0,00,4	0I1	µ	88.8	89.6	87.4	87.7	84.9
EP075S: Acid Extractable Surrogates								
2-Fluorophenol	. X3,12,4	0I1	µ	90.8	97.0	101	78.5	,,,,
Phenol-d6	1. 123,- - ,.	0I1	µ	67.0	81.0	82.0	75.1	,,,,
2-Chlorophenol-D4	6. 6o1,3. ,X	0I1	µ	73.6	89.1	79.1	76.0	,,,,
2.4.6-Tribromophenol	11- ,36,X	0I1	µ	98.3	97.5	95.0	98.6	,,,,
EP075T: Base/Neutral Extractable Surrogates								
Nitrobenzene-D5	41Xo,X0,0	0I1	µ	78.9	85.6	80.9	71.9	,,,,
1.2-Dichlorobenzene-D4	2166,X6,1	0I1	µ	73.9	80.0	71.6	71.2	,,,,
2-Fluorobiphenyl	. 21,X0,-	0I1	µ	81.4	86.8	93.9	77.0	,,,,
Anthracene-d10	1316,0X,-	0I1	µ	105	99.4	95.3	103	,,,,
4-Terphenyl-d14	131- ,o1,0	0I1	µ	100	97.9	84.9	98.5	,,,,
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	130X0,03,0	0I1	µ	83.1	84.7	87.7	88.2	,,,,
Toluene-D8	20. 3,2X,o	0I1	µ	81.4	82.9	83.0	81.3	,,,,
4-Bromofluorobenzene	4X0,00,4	0I1	µ	85.8	87.4	86.3	85.1	,,,,

s 7el P 12g glo
W: bhgl bAl b P EM1201311
y fCi r P Gd f mEwgSk k d y \STEk
s b jl ur P 113X1. 201

Analytical Results

k DL, M7rb&: **WATER**

Compound	CAS Number	LOR	Unit	Client sample ID: A8HA5\25150212	,,,,	,,,,	,,,,	,,,,
				Client sampling date / time: 1o,5EO,2012gloP00	,,,,	,,,,	,,,,	,,,,
				EM1201711-006	----	----	----	----
EG020T: Total Metals by ICP-MS								
Arsenic	3440,. - ,2	0I001	v e/f	<0I001	,,,,	,,,,	,,,,	,,,,
Cadmium	3440,4. ,6	0I0001	v e/f	<0I0001	,,,,	,,,,	,,,,	,,,,
Chromium	3440,43,.	0I001	v e/f	<0I001	,,,,	,,,,	,,,,	,,,,
Copper	3440,o0,-	0I001	v e/f	<0I001	,,,,	,,,,	,,,,	,,,,
Nickel	3440,02,0	0I001	v e/f	<0I001	,,,,	,,,,	,,,,	,,,,
Lead	34. 6,62,1	0I001	v e/f	<0I001	,,,,	,,,,	,,,,	,,,,
Zinc	3440,XX,X	0I00o	v e/f	<0I00o	,,,,	,,,,	,,,,	,,,,
EG035T: Total Recoverable Mercury by FIMS								
Mercury	34. 6,63,X	0I0001	v e/f	<0I0001	,,,,	,,,,	,,,,	,,,,
EP072: Volatile Scan for Unknowns								
Dummy Analyte	,,,,	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
EP074A: Monocyclic Aromatic Hydrocarbons								
Benzene	31,4. ,2	1	%e/f	<1	,,,,	,,,,	,,,,	,,,,
Toluene	10- ,- - ,.	2	%e/f	<2	,,,,	,,,,	,,,,	,,,,
Ethylbenzene	100,41,4	2	%e/f	<2	,,,,	,,,,	,,,,	,,,,
meta- & para-Xylene	10- ,. - ,. gl0X,42,.	2	%e/f	<2	,,,,	,,,,	,,,,	,,,,
Styrene	100,42,o	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
ortho-Xylene	6o,43,X	2	%e/f	<2	,,,,	,,,,	,,,,	,,,,
Isopropylbenzene	6- ,- 2,-	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
n-Propylbenzene	10. ,Xo,1	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
1.3.5-Trimethylbenzene	10- ,X3,-	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
sec-Butylbenzene	1. o,6- ,-	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
1.2.4-Trimethylbenzene	6o,X. ,X	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
tert-Butylbenzene	6- ,0X,X	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
p-Isopropyltoluene	66,- 3,X	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
n-Butylbenzene	104,o1,-	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
EP074B: Oxygenated Compounds								
Vinyl Acetate	10- ,0o,4	o0	%e/f	<o0	,,,,	,,,,	,,,,	,,,,
2-Butanone (MEK)	3- ,6. ,.	o0	%e/f	<o0	,,,,	,,,,	,,,,	,,,,
4-Methyl-2-pentanone (MIBK)	10- ,10,1	o0	%e/f	<o0	,,,,	,,,,	,,,,	,,,,
2-Hexanone (MBK)	o61,3- ,X	o0	%e/f	<o0	,,,,	,,,,	,,,,	,,,,
EP074C: Sulfonated Compounds								
Carbon disulfide	3o,1o,0	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
EP074D: Fumigants								
2.2-Dichloropropane	o64,20,3	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
1.2-Dichloropropane	3- ,- 3,o	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,
cis-1.3-Dichloropropylene	100X1,01,o	o	%e/f	<o	,,,,	,,,,	,,,,	,,,,

Analytical Results

k DL, M7rb&: WATER				Client sample ID	A8HA5\25150212	,,,,	,,,,	,,,,	,,,,
				Client sampling date / time	1o,5EO,2012gloP00	,,,,	,,,,	,,,,	,,,,
Compound	*CAS Number*	*LOR*	*Unit*		EM1201711-006	----	----	----	----
EP074D: Fumigants - Continued									
trans-1.3-Dichloropropylene	100X1,02,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2-Dibromoethane (EDB)	10X,6. ,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	3o,31,-	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
Chloromethane	34,-3,.	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
Vinyl chloride	3o,01,4	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
Bromomethane	34,-. ,6	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
Chloroethane	3o,00,.	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
Trichlorofluoromethane	3o,X6,4	o0	%e/f		<o0	,,,,	,,,,	,,,,	,,,,
1.1-Dichloroethene	3o,. o,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Iodomethane	34,--,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
trans-1.2-Dichloroethene	1oX,X0,o	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1-Dichloroethane	3o,. 4,.	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
cis-1.2-Dichloroethene	1oX,o6,2	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1.1-Trichloroethane	31,oo,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1-Dichloropropylene	oX. ,o-,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Carbon Tetrachloride	oX,2. ,o	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2-Dichloroethane	103,0X,2	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Trichloroethene	36,01,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Dibromomethane	34,6o,.	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1.2-Trichloroethane	36,00,o	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.3-Dichloropropane	142,2-,6	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Tetrachloroethene	123,1-,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1.1.2-Tetrachloroethane	X 0,20,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
trans-1.4-Dichloro-2-butene	110,o3,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
cis-1.4-Dichloro-2-butene	143X,11,o	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.1.2.2-Tetrachloroethane	36,. 4,o	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2.3-Trichloropropane	6X,1-,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Pentachloroethane	3X,01,3	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2-Dibromo-3-chloropropane	6X,12,-	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Hexachlorobutadiene	-3,X-,.	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	10-,60,3	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Bromobenzene	10-,-X,1	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
2-Chlorotoluene	6o,46,-	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
4-Chlorotoluene	10X,4. ,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.3-Dichlorobenzene	o41,3. ,1	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.4-Dichlorobenzene	10X,4X,3	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,

Analytical Results

k DL, M7rb2: WATER				Client sample ID	A8HA5\25150212	,,,,	,,,,	,,,,	,,,,
				Client sampling date / time	1o,5EO,2012gloP00	,,,,	,,,,	,,,,	,,,,
Compound	CAS Number	LOR	Unit		EM1201711-006	----	----	----	----
EP074F: Halogenated Aromatic Compounds - Continued									
1.2-Dichlorobenzene	6o,o0,1	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2.4-Trichlorobenzene	120,-2,1	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
1.2.3-Trichlorobenzene	-3,X1,X	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
EP074G: Trihalomethanes									
Chloroform	X3,XX.	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Bromodichloromethane	3o,23,4	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Dibromochloromethane	124,4-,1	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
Bromoform	3o,2o,2	o	%e/f		<o	,,,,	,,,,	,,,,	,,,,
EP074H: Naphthalene									
Naphthalene	61,20,.	3	%e/f		<3	,,,,	,,,,	,,,,	,,,,
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	130X0,03,0	0l1	µ		**111**	,,,,	,,,,	,,,,	,,,,
Toluene-D8	20. 3,2X,o	0l1	µ		**98.6**	,,,,	,,,,	,,,,	,,,,
4-Bromofluorobenzene	4X0,00,4	0l1	µ		**89.7**	,,,,	,,,,	,,,,	,,,,

Surrogate Control Limits

k DL,M7rbQ: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	20o1,24,.	. .	1. .
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21Xoo,3. ,2	26I-	14X
EP068T: Organophosphorus Pesticide Surrogate			
DEF	3- ,4- ,-	2. I3	14X
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	130X0,03,0	X2	122
Toluene-D8	20. 3,2X,o	X4	120
4-Bromofluorobenzene	4X0,00,4	XX	124
EP075S: Acid Extractable Surrogates			
2-Fluorophenol	. X3,12,4	14	12X
Phenol-d6	1. 123,- - ,.	12I2	122
2-Chlorophenol-D4	6. 6o1,3. ,X	14I2	123
2.4.6-Tribromophenol	11- ,36,X	12I4	1. .
EP075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-D5	41Xo,X0,0	12I4	12-
1.2-Dichlorobenzene-D4	2166,X6,1	11IX	10-
2-Fluorobiphenyl	. 21,X0,-	1- I3	123
Anthracene-d10	1316,0X,-	2- Io	142
4-Terphenyl-d14	131- ,o1,0	2oI-	1. -
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	130X0,03,0	o3	126
Toluene-D8	20. 3,2X,o	o-	120
4-Bromofluorobenzene	4X0,00,4	oX	12X

k DL,M7rbQ: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	130X0,03,0	32	1. 2
Toluene-D8	20. 3,2X,o	34	12-
4-Bromofluorobenzene	4X0,00,4	30	1. 2

QUALITY CONTROL REPORT

Work Order	: **EM1201511**	Page	: 1 of 27
Client	: **GOLDER ASSOCIATES**	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	Address	: 4 Westall Rd Springvale VIC Australia 3171
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +61 03 8862 3500	Telephone	: +61-3-8549 9644
Facsimile	: +61 03 8862 3501	Facsimile	: +61-3-8549 9601
Project	: 117613201	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: F VIC		
C-O-C number	: ----	Date Samples Received	: 17-FEB-2012
Sampler	: RH	Issue Date	: 27-FEB-2012
Order number	: GA-MELB 332509		
		No. of samples received	: 6
Quote number	: ME/054/12	No. of samples analysed	: 6

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

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.

Signatories	*Position*	*Accreditation Category*
Dilani Fernando	Senior Inorganic Chemist	Melbourne Inorganics
Eric Chau	Metals Team Leader	Melbourne Inorganics
Nancy Wang	Senior Semivolatile Instrument Chemist	Melbourne Organics
Phalak Inthaksone	Laboratory Manager - Organics	Sydney Organics
Varsha Ho Wing	Non-Metals Team Leader	Melbourne Inorganics
Xingbin Lin	Senior Organic Chemist	Melbourne Organics

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 (%)*
EA002 : i s tSou(Qt7 C Lo3: 215) a02Q									
EM1201711-001	A8HA2\2001	EA002: pH Value	---	0.1	pH Unit	6.9	6.8	1.4	0% - 20%
EA0l l : Mou(3bre Coy3ey3 t7 C Lo3: 215) 02PQ									
EM1201707-031	Anonymous	EA055-103: Moisture Content (dried @ 103°C)	---	1.0	%	10.7	8.3	25.2	No Limit
EM1201711-002	A8HA4\2001	EA055-103: Moisture Content (dried @ 103°C)	---	1.0	%	19.2	22.9	17.5	0% - 20%
EG00l T: To3-nMe3-r(8c lCvFAES t7 C Lo3: 21555aPQ									
EM1201592-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	30	37	19.2	0% - 50%
		EG005T: Nickel	7440-02-0	2	mg/kg	26	17	38.9	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	6	8	26.6	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	22	16	33.5	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	17	19	11.1	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	44	32	31.9	No Limit
EM1201686-001	Anonymous	EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	4	5	33.5	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	4	5	30.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	23	30	29.3	No Limit
EG0al T: To3-nRe6o4er-8re Mer6brc 8c glMS t7 C Lo3: 2155590Q									
EM1201686-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
Ev009: Orh-yu6 M-33er t7 C Lo3: 215) 29PQ									
EM1201711-001	A8HA2\2001	EP004: Total Organic Carbon	---	0.5	%	2.2	2.2	0.0	No Limit
Ev0)) : vorc6Broruy-3ed pui Beycr(tvCpQt7 C Lo3: 215559mQ									
EM1201575-002	Anonymous	EP066: Total Polychlorinated biphenyls	---	0.10	mg/kg	<0.10	<0.10	0.0	No Limit
EM1201757-004	Anonymous	EP066: Total Polychlorinated biphenyls	---	0.10	mg/kg	<0.10	<0.10	0.0	No Limit
Ev0) mA: Orh-yo6Broruye ve(36ude(tOCQt7 C Lo3: 2155595Q									
EM1201575-002	Anonymous	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

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 (%)*
Ev0)mA: Orh-yo6Brorye ve(36ude(tOCQt7 C Lo3 2155595Q F6oy3ybed									
EM1201575-002	Anonymous	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
EM1201757-004	Anonymous	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
Ev0)mp: Orh-yoi Bo(i Borb(ve(36ude(tOvQt7 C Lo3 2155595Q									
EM1201575-002	Anonymous	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

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 (%)*
Ev0)mp: Orh-yoi Bo(i Borb(ve(36ude(tOvQt7 C Lo3: 2155595QF6oy3ybed									
EM1201575-002	Anonymous	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
		EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EM1201757-004	Anonymous	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
		EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
Ev059A: Moyo6c6n6 AroH-36 scdro6-r8oy(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP074: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev059A: Moyo6c6n6 AroH-3l6 s cdro6-r8oy(t7 C Lo3: 215l P51Q F6oy3ybed									
EM1201711-001	A8HA2\2001	EP074: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev059p: Oxchey-3ed CoH i obyd(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	<5	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	<5	0.0	No Limit
Ev059C: Sbrfoy-3ed CoH i obyd(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev059D: gbH uh-y3(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev059E: s-rohey-3ed Ani B-3l6 CoH i obyd(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev059E: s - rohey- 3ed Ani B- 36 CoH i obyd(t7 C Lo3: 215l P51Q F6oy3ybed									
EM1201711-001	A8HA2\2001	EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloromethane	74-87-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Bromomethane	74-83-9	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Chloroethane	75-00-3	5	mg/kg	<5	<5	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	<5	0.0	No Limit
Ev059g: s - rohey- 3ed AroH - 36 CoH i obyd(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev059G: TrıB- roH e3B- ye(t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev059s : N- i B3B- reye t7 C Lo3: 215l P51Q									
EM1201711-001	A8HA2\2001	EP074: Naphthalene	91-20-3	5	mg/kg	<5	<5	0.0	No Limit
Ev05l A: vBeyon6 CoH i obyd(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev05l A: vBeyon6 CoHi obyd(t7 C Lo3: 21555l 0Q F6oy3ybed									
EM1201575-002	Anonymous	EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloro-3-Methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachlorophenol	87-86-5	1	mg/kg	<1	<1	0.0	No Limit
Ev05l p: vorcyb6re- r AroH - 36 s cdro6- r8oy(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Sum of PAHs	---	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Benzo(b) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	<1	0.0	No Limit
Ev05l C: vB3B- n- 3e E(3er(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: bis(2-ethylhexyl) phthalate	117-81-7	0.5	mg/kg	<5.0	<5.0	0.0	No Limit
		EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev05l D: Nu8ro(- H ye(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev05l D: Nu8ro(- H ye(t7 C Lo3: 21555l 0Q F6oy3ybed									
EM1201575-002	Anonymous	EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev05l E: Nu8ro- roH - 36(- yd Ke3oye(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Azobenzene	103-33-3	1	mg/kg	<1	<1	0.0	No Limit
Ev05l g: s - roe3Ber(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev05l G: CBroruy- 3ed s cdro6- r8oy(t7 C Lo3: 21555l 0Q									
EM1201575-002	Anonymous	EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev05I G: CBrory-3ed s cdro6-r8oy(t7 C Lo3: 21555I 0Q F6oy3ybed									
EM1201575-002	Anonymous	EP075: Hexachlorocyclopentadiene	77-47-4	0.5	mg/kg	<2.5	<2.5	0.0	No Limit
		EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
Ev05I s: Ayunye(-yd peyzudye(t7 C Lo3: 21555I 0Q									
EM1201575-002	Anonymous	EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 2-Nitroaniline	88-74-4	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: 3-Nitroaniline	99-09-2	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
		EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev05I I: Orh-yo6Brorye ve(36ude(t7 C Lo3: 21555I 0Q									
EM1201575-002	Anonymous	EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: gamma-BHC	58-89-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<1.0	<1.0	0.0	No Limit
Ev05I J: Orh-yoi Bo(i Borb(ve(36ude(t7 C Lo3: 21555I 0Q									
EM1201575-002	Anonymous	EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	<0.5	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 (%)*
Ev05l J: Orh- yoi Bo(i Borb(ve(36ude(t7 C Lo3: 21555l 0Q F6oy3ybed									
EM1201575-002	Anonymous	EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
Ev0m0/051: To3- nve3romebH s cdro6- r8oy(t7 C Lo3: 215l P50Q									
EM1201711-001	A8HA2\2001	EP080: C6 - C9 Fraction	---	10	mg/kg	<10	<10	0.0	No Limit
EM1201741-003	Anonymous	EP080: C6 - C9 Fraction	---	10	mg/kg	<10	<10	0.0	No Limit
Ev0m0/051: To3- nve3romebH s cdro6- r8oy(t7 C Lo3: 2155l) 5Q									
EM1201723-032	Anonymous	EP071: C15 - C28 Fraction	---	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	---	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	---	50	mg/kg	<50	<50	0.0	No Limit
		EP071: C10 - C36 Fraction (sum)	---	50	mg/kg	<50	<50	0.0	No Limit
Ev0m0/051: To3- nRe6o4er- 8re s cdro6- r8oy(FNEvM 2010 Dr- f3 t7 C Lo3: 215l P50Q									
EM1201711-001	A8HA2\2001	EP080: C6 - C10 Fraction	---	10	mg/kg	<10	<10	0.0	No Limit
EM1201741-003	Anonymous	EP080: C6 - C10 Fraction	---	10	mg/kg	<10	<10	0.0	No Limit
Ev0m0/051: To3- nRe6o4er- 8re s cdro6- r8oy(FNEvM 2010 Dr- f3 t7 C Lo3: 2155l) 5Q									
EM1201723-032	Anonymous	EP071: >C16 - C34 Fraction	---	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	---	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	---	50	mg/kg	<50	<50	0.0	No Limit
		EP071: >C10 - C40 Fraction (sum)	---	50	mg/kg	<50	<50	0.0	No Limit
Ev21) : ver6Bror- 3e 8c LC/MS t7 C Lo3: 21m1) 02Q									
EM1201711-001	A8HA2\2001	EP216: Perchlorate	7601-90-3	10.0	µg/kg	<10.0	<10.0	0.0	No Limit
Ev2a1: verfrboroo63cnA6ud(-yd Sbrfoy- 3e(. t7 C Lo3: 21m19l l Q									
EM1201711-001	A8HA2\2001	EP231: PFOS	1763-23-1	0.0005	mg/kg	0.249	0.234	6.2	0% - 20%
		EP231: PFOA	335-67-1	0.0005	mg/kg	0.0273	0.0259	5.0	0% - 20%
		EP231: 6:2 Fluorotelomer Sulfonate (6:2 FtS)	27619-97-2	0.005	mg/kg	<0.005	<0.005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EG020T: To3- nMe3- r(8c ICvFMS t7 C Lo3: 215P) a2Q									
EM1201696-005	Anonymous	EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-T: Arsenic	7440-38-2	0.001	mg/L	1.19	1.26	5.8	0% - 20%
		EG020A-T: Chromium	7440-47-3	0.001	mg/L	0.001	0.001	0.0	No Limit
		EG020A-T: Copper	7440-50-8	0.001	mg/L	0.001	0.001	0.0	No Limit
		EG020A-T: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Nickel	7440-02-0	0.001	mg/L	0.001	0.001	0.0	No Limit
		EG020A-T: Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0	No Limit
EM1201711-006	A8HA5\25150212	EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
		EG020A-T: Arsenic	7440-38-2	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Chromium	7440-47-3	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Copper	7440-50-8	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EG020T: To3-nMe3-r(8c ICvRMS t7 C Lo3: 215P) a2QF6oy3ybed									
EM1201711-006	A8HA5\25150212	EG020A-T: Nickel	7440-02-0	0.001	mg/L	<0.001	<0.001	0.0	No Limit
		EG020A-T: Zinc	7440-66-6	0.005	mg/L	<0.005	<0.005	0.0	No Limit
EG0al T: To3-nRe6o4er-8re Mer6brc 8c glMS t7 C Lo3: 215) 1anQ									
EM1201646-001	Anonymous	EG035T: Mercury	7439-97-6	0.0001	mg/L	0.0012	0.0012	0.0	0% - 50%
EM1201701-001	Anonymous	EG035T: Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	0.0	No Limit
Ev059A: Moyo6c6n6 AroH-3.6 s cdro6-r8oy(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP074: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP074: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
Ev059p: Oxchey-3ed CoHi obyd(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
Ev059C: Sbrfoy-3ed CoHi obyd(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
Ev059D: gbHuh-y3(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
Ev059E: s-rohey-3ed Ani B-3.6 CoHi obyd(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Ev059E: s - rohey- 3ed Ani B- 3.6 CoH i obyd(t7 C Lo3: 215P) 9PQ F6oy 3ybed									
EM1201711-006	A8HA5\25150212	EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
Ev059g: s - rohey- 3ed AroH - 3.6 CoH i obyd(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
Ev059G: TrıB- roH e3B- ye(t7 C Lo3: 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
Ev059s: N-i B3B-reye t7 C Lo3 215P) 9PQ									
EM1201711-006	A8HA5\25150212	EP074: Naphthalene	91-20-3	7	µg/L	<7	<7	0.0	No Limit

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EG00l T: To3-nMe3-r(8c lCvFAES t7 CLo3: 21555aPQ								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	13.6 mg/kg	101	74	132
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	2.8 mg/kg	85.9	71	123
EG005T: Chromium	7440-47-3	2	mg/kg	<2	60.9 mg/kg	96.1	73	125
EG005T: Copper	7440-50-8	5	mg/kg	<5	55.1 mg/kg	96.1	74	124
EG005T: Lead	7439-92-1	5	mg/kg	<5	54.9 mg/kg	97.9	74	126
EG005T: Nickel	7440-02-0	2	mg/kg	<2	55.1 mg/kg	97.8	74	128
EG005T: Zinc	7440-66-6	5	mg/kg	<5	105 mg/kg	94.7	74	124
EG0al T: To3-nRe6o4er-8re Mer6brc 8c glMS t7 CLo3: 2155590Q								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	1.47 mg/kg	100	64	116
Ev009: Orh-yu6 M-33er t7 CLo3: 215) 29PQ								
EP004: Total Organic Carbon	----	0.5	%	<0.5	43.5 %	108	94	118
Ev0)): vorc6Brory-3ed pui Beycr(tvCpQt7 CLo3: 215559mQ								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.10	1.24 mg/kg	86.4	55	135
Ev0)mA: Orh-yo6Broruye ve(36ude(tOCQt7 CLo3: 2155595Q								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	96.7	52	133
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	93.0	50	132
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	79.3	50	138
EP068: gamma-BHC	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	93.1	54	132
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	88.2	51	133
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	98.4	51	134
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.4	52	133
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	94.5	54	136
EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.4	53	136
EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	0.5 mg/kg	97.6	53	133
EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	52	137
EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	0.5 mg/kg	93.1	49	132
EP068: 4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	0.5 mg/kg	87.2	53	134
EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	0.5 mg/kg	100	45	141
EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	0.5 mg/kg	98.5	54	132
EP068: 4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	0.5 mg/kg	90.6	52	136
EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	0.5 mg/kg	81.3	49	135
EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	0.5 mg/kg	97.8	49	142
EP068: 4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	0.5 mg/kg	104	40	146
EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	0.5 mg/kg	93.4	51	137

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev0)mA: Orh-yo6Broruye ve(36ude(tOCQt7 CLo3 2155595QF6oy3ybed								
EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	0.5 mg/kg	100	38	149
Ev0)mp: Orh-yoi Bo(i Borb(ve(36ude(tOvQt7 CLo3 2155595Q								
EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	0.5 mg/kg	81.5	35	137
EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	58.5	26.8	140
EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	0.5 mg/kg	80.7	10	185
EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	0.5 mg/kg	99.1	46	144
EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	0.5 mg/kg	96.4	50	134
EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	0.5 mg/kg	94.6	52	134
EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	0.5 mg/kg	96.2	50	137
EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	0.5 mg/kg	95.2	46	140
EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	0.5 mg/kg	82.3	50	134
EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.8	52	134
EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	0.5 mg/kg	92.0	47	139
EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	0.5 mg/kg	92.6	48	137
EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	0.5 mg/kg	91.8	48	143
EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	0.5 mg/kg	93.7	52	136
EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	0.5 mg/kg	79.0	37	136
EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	0.5 mg/kg	93.4	50	136
EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	0.5 mg/kg	92.3	50	136
EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	0.5 mg/kg	91.3	47	138
EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	0.5 mg/kg	111	19.6	170
Ev059A: Moyo6c6n6 AroH-36 scdro6-r8oy(t7 CLo3 215l P51Q								
EP074: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	91.6	75	121
EP074: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	97.7	76	124
EP074: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	96.2	74	118
EP074: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	97.7	75	121
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	97.1	64	120
EP074: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	96.6	77	121
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	97.6	74	120
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	91.6	65	117
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	92.7	65	117
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	89.8	67	117
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	93.9	66	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	89.4	68	116
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	93.2	64	117
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	97.8	59	115
Ev059p: Oxchey-3ed CoHi obyd(t7 CLo3 215l P51Q								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	97.4	40	138

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev059p: Oxchey-3ed CoHi obyd(t7 CLo3 215l P51Q F6oy3ybed								
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	91.9	61	143
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	93.0	63	137
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	92.0	63	133
Ev059C: Sbrfoy-3ed CoHi obyd(t7 CLo3 215l P51Q								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	89.4	57	121
Ev059D: gbHuh-y3(t7 CLo3 215l P51Q								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	98.2	51	130
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	94.3	73	121
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	93.6	59	109
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	93.0	52	110
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	95.3	68	120
Ev059E: s-rohey-3ed Ani B-316 CoHi obyd(t7 CLo3 215l P51Q								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	78.3	34	122
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	95.0	52	133
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	89.9	47	133
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	84.5	39	116
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	95.7	43	137
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	92.8	61	126
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	93.0	62	124
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	99.5	47	116
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	92.2	69	119
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	91.2	70	120
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	92.8	72	120
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	88.1	64	112
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	94.9	71	117
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	84.1	51	106
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	91.5	70	126
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	90.9	71	120
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	91.1	70	122
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	91.3	73	125
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	91.7	75	125
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	96.5	71	120
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	87.6	54	106
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	88.5	46	112
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	99.6	21.8	117
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	94.2	71	131
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	93.5	70	134
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	79.4	40	94
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	94.6	41	113

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev059E: s-rohey-3ed Ani B-36 CoHi obyd(t7 CLo3 215l P51Q F6oy3ybed								
EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1 mg/kg	97.3	40	127
Ev059g: s-rohey-3ed AroH-36 CoHi obyd(t7 CLo3 215l P51Q								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	94.7	78	120
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	92.4	68	116
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	95.8	67	117
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	92.8	67	115
EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1 mg/kg	95.9	69	115
EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1 mg/kg	99.5	70	116
EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1 mg/kg	93.6	72	116
EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1 mg/kg	106	49	118
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	101	60	120
Ev059G: TruB-roHe3B-ye(t7 CLo3 215l P51Q								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	92.3	71	121
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	83.9	60	108
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	83.6	48	104
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	74.4	40	106
Ev059s: N-i B3B-reye t7 CLo3 215l P51Q								
EP074: Naphthalene	91-20-3	5	mg/kg	<5	1 mg/kg	102	61	132
Ev05l A: vBeyon6 CoHi obyd(t7 CLo3 21555l 0Q								
EP075: Phenol	108-95-2	0.5	mg/kg	<0.5	2.5 mg/kg	95.4	38	138
EP075: 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	2.5 mg/kg	78.6	39	129
EP075: 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	2.5 mg/kg	76.0	33	132
EP075: 3- & 4-Methylphenol	1319-77-3	0.5	mg/kg	<1.0	2.5 mg/kg	96.9	35	131
EP075: 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	2.5 mg/kg	78.3	31	131
EP075: 2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	2.5 mg/kg	92.3	10	135
EP075: 2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	2.5 mg/kg	80.2	35	133
EP075: 2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	2.5 mg/kg	82.5	36	132
EP075: 4-Chloro-3-Methylphenol	59-50-7	0.5	mg/kg	<0.5	2.5 mg/kg	93.0	39	143
EP075: 2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	2.5 mg/kg	74.0	34	138
EP075: 2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	2.5 mg/kg	108	30.2	142
EP075: Pentachlorophenol	87-86-5	1.0	mg/kg	<1	2.5 mg/kg	84.8	14	136
Ev05l p: vorcyb6re-r AroH-36 scdro6-r8oy(t7 CLo3 21555l 0Q								
EP075: Naphthalene	91-20-3	0.5	mg/kg	<0.5	2.5 mg/kg	80.3	39	128
EP075: 2-Methylnaphthalene	91-57-6	0.5	mg/kg	<0.5	2.5 mg/kg	83.0	40	136
EP075: 2-Chloronaphthalene	91-58-7	0.5	mg/kg	<0.5	2.5 mg/kg	66.4	29.5	137
EP075: Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	2.5 mg/kg	78.8	38	138
EP075: Acenaphthene	83-32-9	0.5	mg/kg	<0.5	2.5 mg/kg	80.8	45	133
EP075: Fluorene	86-73-7	0.5	mg/kg	<0.5	2.5 mg/kg	81.2	47	137

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev05l p: vorcyb6re- r AroH - 3l6 s cdro6- r8oy(t7 CLo3 21555l 0QF6oy3ybed								
EP075: Phenanthrene	85-01-8	0.5	mg/kg	<0.5	2.5 mg/kg	84.7	45	133
EP075: Anthracene	120-12-7	0.5	mg/kg	<0.5	2.5 mg/kg	89.8	44	130
EP075: Fluoranthene	206-44-0	0.5	mg/kg	<0.5	2.5 mg/kg	89.9	46	138
EP075: Pyrene	129-00-0	0.5	mg/kg	<0.5	2.5 mg/kg	86.4	43	145
EP075: N-2-Fluorenyl Acetamide	53-96-3	0.5	mg/kg	<0.5	2.5 mg/kg	87.4	43	143
EP075: Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	2.5 mg/kg	86.0	43	139
EP075: Chrysene	218-01-9	0.5	mg/kg	<0.5	2.5 mg/kg	91.1	42	140
EP075: Benzo(b) & Benzo(k)fluoranthene	205-99-2 207-08-9	1	mg/kg	<1	5 mg/kg	90.1	43	139
EP075: 7.12-Dimethylbenz(a)anthracene	57-97-6	0.5	mg/kg	<0.5	2.5 mg/kg	87.8	40	154
EP075: Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	2.5 mg/kg	86.2	38	138
EP075: 3-Methylcholanthrene	56-49-5	0.5	mg/kg	<0.5	2.5 mg/kg	81.3	46	162
EP075: Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	2.5 mg/kg	110	49	159
EP075: Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	2.5 mg/kg	103	49	157
EP075: Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	2.5 mg/kg	123	48	158
EP075: Sum of PAHs	---	0.5	mg/kg	<0.5	---	---	---	---
Ev05l C: vB3B- n 3e E(3er(t7 CLo3 21555l 0Q								
EP075: Dimethyl phthalate	131-11-3	0.5	mg/kg	<0.5	2.5 mg/kg	83.8	40	142
EP075: Diethyl phthalate	84-66-2	0.5	mg/kg	<0.5	2.5 mg/kg	85.9	48	140
EP075: Di-n-butyl phthalate	84-74-2	0.5	mg/kg	<0.5	2.5 mg/kg	95.7	38	169
EP075: Butyl benzyl phthalate	85-68-7	0.5	mg/kg	<0.5	2.5 mg/kg	92.0	42	140
EP075: bis(2-ethylhexyl) phthalate	117-81-7	0.5	mg/kg	<5.0	2.5 mg/kg	114	47	155
EP075: Di-n-octylphthalate	117-84-0	0.5	mg/kg	<0.5	2.5 mg/kg	92.5	47	137
Ev05l D: Nu8ro(- H ye(t7 CLo3 21555l 0Q								
EP075: N-Nitrosomethylethylamine	10595-95-6	0.5	mg/kg	<0.5	2.5 mg/kg	102	16.2	136
EP075: N-Nitrosodiethylamine	55-18-5	0.5	mg/kg	<0.5	2.5 mg/kg	98.4	33	132
EP075: N-Nitrosopyrrolidine	930-55-2	0.5	mg/kg	<1.0	2.5 mg/kg	90.2	27.7	130
EP075: N-Nitrosomorpholine	59-89-2	0.5	mg/kg	<0.5	2.5 mg/kg	98.8	33	131
EP075: N-Nitrosodi-n-propylamine	621-64-7	0.5	mg/kg	<0.5	2.5 mg/kg	86.4	36	127
EP075: N-Nitrosopiperidine	100-75-4	0.5	mg/kg	<0.5	2.5 mg/kg	86.3	35	128
EP075: N-Nitrosodibutylamine	924-16-3	0.5	mg/kg	<0.5	2.5 mg/kg	91.2	37	139
EP075: N-Nitrosodiphenyl & Diphenylamine	86-30-6 122-39-4	0.5	mg/kg	<1.0	2.5 mg/kg	77.7	42	134
EP075: Methapyrilene	91-80-5	0.5	mg/kg	<0.5	2.5 mg/kg	# 16.3	24.4	143
Ev05l E: Nu8ro- roH - 3l6(- yd Ke3oye(t7 CLo3 21555l 0Q								
EP075: 2-Picoline	109-06-8	0.5	mg/kg	<0.5	2.5 mg/kg	92.4	10	138
EP075: Acetophenone	98-86-2	0.5	mg/kg	<0.5	2.5 mg/kg	75.4	35	128
EP075: Nitrobenzene	98-95-3	0.5	mg/kg	<0.5	2.5 mg/kg	82.4	36	127
EP075: Isophorone	78-59-1	0.5	mg/kg	<0.5	2.5 mg/kg	81.3	40	136

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev05l E: Nu8ro-roH-3&(-yd Ke3oye(t7 CLo3: 21555l 0QF6oy3ybed								
EP075: 2.6-Dinitrotoluene	606-20-2	0.5	mg/kg	<1.0	2.5 mg/kg	80.4	42	140
EP075: 2.4-Dinitrotoluene	121-14-2	0.5	mg/kg	<1.0	2.5 mg/kg	77.6	46	140
EP075: 1-Naphthylamine	134-32-7	0.5	mg/kg	<0.5	2.5 mg/kg	# 4.5	10	84
EP075: 4-Nitroquinoline-N-oxide	56-57-5	0.5	mg/kg	<0.5	2.5 mg/kg	56.6	17.7	153
EP075: 5-Nitro-o-toluidine	99-55-8	0.5	mg/kg	<0.5	2.5 mg/kg	85.5	37	125
EP075: Azobenzene	103-33-3	1	mg/kg	<1	2.5 mg/kg	87.6	46	140
EP075: 1.3.5-Trinitrobenzene	99-35-4	0.5	mg/kg	<0.5	2.5 mg/kg	80.2	12.6	151
EP075: Phenacetin	62-44-2	0.5	mg/kg	<0.5	2.5 mg/kg	74.3	48	142
EP075: 4-Aminobiphenyl	92-67-1	0.5	mg/kg	<0.5	2.5 mg/kg	11.7	10	97
EP075: Pentachloronitrobenzene	82-68-8	0.5	mg/kg	<0.5	2.5 mg/kg	90.8	47	139
EP075: Pronamide	23950-58-5	0.5	mg/kg	<0.5	2.5 mg/kg	93.7	45	133
EP075: Dimethylaminoazobenzene	60-11-7	0.5	mg/kg	<0.5	2.5 mg/kg	79.1	42	136
EP075: Chlorobenzilate	510-15-6	0.5	mg/kg	<0.5	2.5 mg/kg	70.3	41	141
Ev05l g: s-roe3Ber(t7 CLo3: 21555l 0Q								
EP075: Bis(2-chloroethyl) ether	111-44-4	0.5	mg/kg	<0.5	2.5 mg/kg	84.1	36	146
EP075: Bis(2-chloroethoxy) methane	111-91-1	0.5	mg/kg	<0.5	2.5 mg/kg	75.8	40	136
EP075: 4-Chlorophenyl phenyl ether	7005-72-3	0.5	mg/kg	<0.5	2.5 mg/kg	80.1	46	136
EP075: 4-Bromophenyl phenyl ether	101-55-3	0.5	mg/kg	<0.5	2.5 mg/kg	74.5	44	140
Ev05l G: CBroruy-3ed scdro6-r8oy(t7 CLo3: 21555l 0Q								
EP075: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	2.5 mg/kg	74.4	35	122
EP075: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	2.5 mg/kg	81.0	36	125
EP075: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	2.5 mg/kg	72.5	37	123
EP075: Hexachloroethane	67-72-1	0.5	mg/kg	<0.5	2.5 mg/kg	70.1	33	123
EP075: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	2.5 mg/kg	73.2	36	132
EP075: Hexachloropropylene	1888-71-7	0.5	mg/kg	<0.5	2.5 mg/kg	83.6	26.6	137
EP075: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	2.5 mg/kg	78.1	40	130
EP075: Hexachlorocyclopentadiene	77-47-4	0.5	mg/kg	<2.5	2.5 mg/kg	36.6	17.3	141
EP075: Pentachlorobenzene	608-93-5	0.5	mg/kg	<0.5	2.5 mg/kg	83.8	46	136
EP075: Hexachlorobenzene (HCB)	118-74-1	0.5	mg/kg	<1.0	5 mg/kg	78.7	40	142
Ev05l s: Ayunye(-yd peyzuduye(t7 CLo3: 21555l 0Q								
EP075: Aniline	62-53-3	0.5	mg/kg	<0.5	2.5 mg/kg	24.9	10	114
EP075: 4-Chloroaniline	106-47-8	0.5	mg/kg	<0.5	2.5 mg/kg	18.3	10	103
EP075: 2-Nitroaniline	88-74-4	0.5	mg/kg	<1.0	2.5 mg/kg	90.3	40	142
EP075: 3-Nitroaniline	99-09-2	0.5	mg/kg	<1.0	2.5 mg/kg	45.7	23.3	125
EP075: Dibenzofuran	132-64-9	0.5	mg/kg	<0.5	2.5 mg/kg	79.7	46	134
EP075: 4-Nitroaniline	100-01-6	0.5	mg/kg	<0.5	2.5 mg/kg	67.1	38	132
EP075: Carbazole	86-74-8	0.5	mg/kg	<0.5	2.5 mg/kg	85.7	44	134
EP075: 3.3`-Dichlorobenzidine	91-94-1	0.5	mg/kg	<0.5	2.5 mg/kg	20.7	10	124
Ev05l I: Orh-yo6Broruye ve(3&ude(t7 CLo3: 21555l 0Q								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev05l I: Orh- yo6Bromye ve(36ude(t7 CLo3 21555l 0QF6oy3ybed								
EP075: alpha-BHC	319-84-6	0.5	mg/kg	<0.5	2.5 mg/kg	86.4	50	134
EP075: beta-BHC	319-85-7	0.5	mg/kg	<0.5	2.5 mg/kg	91.0	47	135
EP075: gamma-BHC	58-89-9	0.5	mg/kg	<0.5	2.5 mg/kg	87.8	50	137
EP075: delta-BHC	319-86-8	0.5	mg/kg	<0.5	2.5 mg/kg	95.0	48	136
EP075: Heptachlor	76-44-8	0.5	mg/kg	<0.5	2.5 mg/kg	87.7	40	138
EP075: Aldrin	309-00-2	0.5	mg/kg	<0.5	2.5 mg/kg	91.2	44	140
EP075: Heptachlor epoxide	1024-57-3	0.5	mg/kg	<0.5	2.5 mg/kg	86.6	45	139
EP075: alpha-Endosulfan	959-98-8	0.5	mg/kg	<0.5	2.5 mg/kg	96.8	46	142
EP075: 4.4`-DDE	72-55-9	0.5	mg/kg	<0.5	2.5 mg/kg	87.8	70	130
EP075: Dieldrin	60-57-1	0.5	mg/kg	<0.5	2.5 mg/kg	96.0	47	139
EP075: Endrin	72-20-8	0.5	mg/kg	<0.5	2.5 mg/kg	96.0	42	142
EP075: beta-Endosulfan	33213-65-9	0.5	mg/kg	<0.5	2.5 mg/kg	94.6	47	141
EP075: 4.4`-DDD	72-54-8	0.5	mg/kg	<0.5	2.5 mg/kg	84.1	42	146
EP075: Endosulfan sulfate	1031-07-8	0.5	mg/kg	<0.5	2.5 mg/kg	83.9	41	141
EP075: 4.4`-DDT	50-29-3	0.5	mg/kg	<1.0	2.5 mg/kg	86.6	19.6	148
Ev05l J: Orh- yoi Bo(i Borb(ve(36ude(t7 CLo3 21555l 0Q								
EP075: Dichlorvos	62-73-7	0.5	mg/kg	<0.5	2.5 mg/kg	81.6	21.9	131
EP075: Dimethoate	60-51-5	0.5	mg/kg	<0.5	2.5 mg/kg	90.2	38	142
EP075: Diazinon	333-41-5	0.5	mg/kg	<0.5	2.5 mg/kg	98.8	36	133
EP075: Chlorpyrifos-methyl	5598-13-0	0.5	mg/kg	<0.5	2.5 mg/kg	86.6	35	143
EP075: Malathion	121-75-5	0.5	mg/kg	<0.5	2.5 mg/kg	91.6	35	143
EP075: Fenthion	55-38-9	0.5	mg/kg	<0.5	2.5 mg/kg	82.0	25.1	135
EP075: Chlorpyrifos	2921-88-2	0.5	mg/kg	<0.5	2.5 mg/kg	90.4	36	132
EP075: Pirimphos-ethyl	23505-41-1	0.5	mg/kg	<0.5	2.5 mg/kg	89.3	36	135
EP075: Chlorfenvinphos	470-90-6	0.5	mg/kg	<0.5	2.5 mg/kg	87.2	35	138
EP075: Prothiofos	34643-46-4	0.5	mg/kg	<0.5	2.5 mg/kg	93.6	37	135
EP075: Ethion	563-12-2	0.5	mg/kg	<0.5	2.5 mg/kg	89.8	38	137
Ev0n0/051: To3- nve3romebH s cdro6- r8oy(t7 CLo3 215l P50Q								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	32 mg/kg	89.2	70	133
Ev0n0/051: To3- nve3romebH s cdro6- r8oy(t7 CLo3 2155l) 5Q								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	544 mg/kg	79.0	55	123
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	1981 mg/kg	93.0	72	134
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	818 mg/kg	92.8	71	143
EP071: C10 - C36 Fraction (sum)	----	50	mg/kg	<50	----	----	----	----
Ev0n0/051: To3- nRe6o4er- 8re s cdro6- r8oy(FNEvM 2010 Dr- f3 t7 CLo3 215l P50Q								
EP080: C6 - C10 Fraction	----	10	mg/kg	<10	37 mg/kg	89.8	70	130
Ev0n0/051: To3- nRe6o4er- 8re s cdro6- r8oy(FNEvM 2010 Dr- f3 t7 CLo3 2155l) 5Q								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	870 mg/kg	88.1	69	123

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
Ev0n0/051: To3-nRe6o4er-8re s cdro6-r8oy(FNEvM 2010 Dr-f3 t7 CLo3 2155l) 5QF6oy3ybed								
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	2495 mg/kg	95.6	71	134
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	263 mg/kg	75.5	63	143
EP071: >C10 - C40 Fraction (sum)	----	100	mg/kg	<100	----	----	----	----
Ev21) : ver6Bror-3e 8c LC/MS t7 CLo3 21m1) 02Q								
EP216: Perchlorate	7601-90-3	10	µg/kg	<10.0	25 µg/kg	97.4	56	130
Ev2a1: verfrboroo63cnA6ud(-yd Sbrfoy-3e(. t7 CLo3 21m19l l Q								
EP231: PFOS	1763-23-1	0.0005	mg/kg	<0.0005	0.005 mg/kg	85.8	54	146
EP231: PFOA	335-67-1	0.0005	mg/kg	<0.0005	0.005 mg/kg	57.7	54	134
EP231: 6:2 Fluorotelomer Sulfonate (6:2 FtS)	27619-97-2	0.005	mg/kg	<0.005	.025 mg/kg	76.8	56	138

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
EG020T: To3-nMe3-r(8c lCvRMS t7 CLo3 215P) a2Q								
EG020A-T: Arsenic	7440-38-2	0.001	mg/L	<0.001	0.1 mg/L	106	86	110
EG020A-T: Cadmium	7440-43-9	0.0001	mg/L	<0.0001	0.1 mg/L	96.2	87	111
EG020A-T: Chromium	7440-47-3	0.001	mg/L	<0.001	0.1 mg/L	101	87	115
EG020A-T: Copper	7440-50-8	0.001	mg/L	<0.001	0.1 mg/L	100	88	110
EG020A-T: Lead	7439-92-1	0.001	mg/L	<0.001	0.1 mg/L	103	90	114
EG020A-T: Nickel	7440-02-0	0.001	mg/L	<0.001	0.1 mg/L	99.1	89	113
EG020A-T: Zinc	7440-66-6	0.005	mg/L	<0.005	0.1 mg/L	101	82	116
EG0al T: To3-nRe6o4er-8re Mer6brc 8c glMS t7 CLo3 215) 1amQ								
EG035T: Mercury	7439-97-6	0.0001	mg/L	<0.0001	0.0100 mg/L	97.4	69	125
Ev059A: Moyo6c6n6 AroH-36 s cdro6-r8oy(t7 CLo3 215P) 9PQ								
EP074: Benzene	71-43-2	1	µg/L	<1	20 µg/L	91.5	79	121
EP074: Toluene	108-88-3	2	µg/L	<2	20 µg/L	89.4	80	124
EP074: Ethylbenzene	100-41-4	2	µg/L	<2	20 µg/L	84.9	79	121
EP074: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	40 µg/L	82.8	80	122
EP074: Styrene	100-42-5	5	µg/L	<5	20 µg/L	84.9	74	122
EP074: ortho-Xylene	95-47-6	2	µg/L	<2	20 µg/L	85.8	81	123
EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	20 µg/L	82.4	80	120
EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	20 µg/L	90.8	70	120
EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	20 µg/L	84.9	71	119
EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	20 µg/L	89.6	72	120
EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	20 µg/L	87.1	73	119
EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	20 µg/L	87.8	73	119
EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	20 µg/L	87.5	71	121
EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	20 µg/L	90.3	65	121

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev059p: Oxchey-3ed CoHi obyd(t7 CLo3 215P) 9PQ								
EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	200 µg/L	118	57	131
EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	200 µg/L	104	69	135
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	200 µg/L	85.7	68	136
EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	200 µg/L	81.0	68	138
Ev059C: Sbrfoy-3ed CoHi obyd(t7 CLo3 215P) 9PQ								
EP074: Carbon disulfide	75-15-0	5	µg/L	<5	20 µg/L	104	67	127
Ev059D: gbHuh-y3(t7 CLo3 215P) 9PQ								
EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	20 µg/L	92.0	59	128
EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	20 µg/L	91.3	77	121
EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	20 µg/L	75.5	70	118
EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	20 µg/L	79.5	66	120
EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	20 µg/L	79.7	78	124
Ev059E: s-rohey-3ed Ani B-36 CoHi obyd(t7 CLo3 215P) 9PQ								
EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	200 µg/L	117	58	148
EP074: Chloromethane	74-87-3	50	µg/L	<50	200 µg/L	103	62	142
EP074: Vinyl chloride	75-01-4	50	µg/L	<50	200 µg/L	133	61	141
EP074: Bromomethane	74-83-9	50	µg/L	<50	200 µg/L	87.9	57	131
EP074: Chloroethane	75-00-3	50	µg/L	<50	200 µg/L	110	64	138
EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	200 µg/L	125	67	131
EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	20 µg/L	102	71	125
EP074: Iodomethane	74-88-4	5	µg/L	<5	20 µg/L	68.8	61	135
EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	20 µg/L	84.5	75	121
EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	20 µg/L	112	77	121
EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	20 µg/L	108	78	122
EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	20 µg/L	110	70	120
EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	20 µg/L	113	74	122
EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	20 µg/L	100	57	123
EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	20 µg/L	122	75	125
EP074: Trichloroethene	79-01-6	5	µg/L	<5	20 µg/L	93.1	77	121
EP074: Dibromomethane	74-95-3	5	µg/L	<5	20 µg/L	93.8	76	122
EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	20 µg/L	89.7	78	126
EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	20 µg/L	92.2	79	125
EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	20 µg/L	81.6	76	122
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	20 µg/L	76.5	65	119
EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	20 µg/L	74.4	46	126
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	20 µg/L	# 52.3	54	132
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	20 µg/L	79.7	75	131
EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	20 µg/L	81.8	75	133
EP074: Pentachloroethane	76-01-7	5	µg/L	<5	20 µg/L	70.8	46	118

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
Ev059E: s-rohey-3ed Ani B-316 CoHi obyd(t7 CLo3 215P) 9PQ F6oy3ybed								
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	20 µg/L	69.2	54	124
EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	20 µg/L	84.9	50	134
Ev059g: s-rohey-3ed AroH-316 CoHi obyd(t7 CLo3 215P) 9PQ								
EP074: Chlorobenzene	108-90-7	5	µg/L	<5	20 µg/L	88.9	81	121
EP074: Bromobenzene	108-86-1	5	µg/L	<5	20 µg/L	92.7	75	119
EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	20 µg/L	90.1	73	121
EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	20 µg/L	92.0	72	120
EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	20 µg/L	90.4	73	119
EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	20 µg/L	92.3	74	120
EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	20 µg/L	90.6	78	118
EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	20 µg/L	79.9	56	128
EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	20 µg/L	94.7	69	123
Ev059G: TruB-roHe3B-ye(t7 CLo3 215P) 9PQ								
EP074: Chloroform	67-66-3	5	µg/L	<5	20 µg/L	116	77	121
EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	20 µg/L	85.6	69	117
EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	20 µg/L	74.4	59	119
EP074: Bromoform	75-25-2	5	µg/L	<5	20 µg/L	65.5	49	121
Ev059s: N-i B3B-reye t7 CLo3 215P) 9PQ								
EP074: Naphthalene	91-20-3	7	µg/L	<7	20 µg/L	90.6	76	124

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG00l T: To3-nMe3-r(8c lCvFAES t7 CLo3: 21555aPQ							
EM1201686-003	Anonymous	EG005T: Arsenic	7440-38-2	50 mg/kg	86.5	70	130
		EG005T: Cadmium	7440-43-9	50 mg/kg	89.8	70	130
		EG005T: Chromium	7440-47-3	50 mg/kg	89.2	70	130
		EG005T: Copper	7440-50-8	50 mg/kg	93.4	70	130
		EG005T: Lead	7439-92-1	50 mg/kg	89.7	70	130
		EG005T: Nickel	7440-02-0	50 mg/kg	90.1	70	130
		EG005T: Zinc	7440-66-6	50 mg/kg	88.1	70	130
EG0al T: To3-nRe6o4er-8re Mer6brc 8c glMS t7 CLo3: 2155590Q							
EM1201686-003	Anonymous	EG035T: Mercury	7439-97-6	5.0 mg/kg	86.3	56	122
Ev0)) : vorc6Brory-3ed pui Beycr(tvCpQt7 CLo3: 215559nQ							
EM1201575-008	Anonymous	EP066: Total Polychlorinated biphenyls	----	1.24 mg/kg	90.9	55	132
Ev0) mA: Orh-yo6Brorye ve(36ude(tOCQt7 CLo3: 2155595Q							
EM1201575-003	Anonymous	EP068: gamma-BHC	58-89-9	0.5 mg/kg	112	30	129
		EP068: Heptachlor	76-44-8	0.5 mg/kg	99.6	22.2	129
		EP068: Aldrin	309-00-2	0.5 mg/kg	83.8	25	128
		EP068: Dieldrin	60-57-1	0.5 mg/kg	99.8	36	132
		EP068: Endrin	72-20-8	0.5 mg/kg	119	32	138
		EP068: 4.4`-DDT	50-29-3	0.5 mg/kg	100	21.8	140
Ev0) mp: Orh-yoi Bo(i Borb(ve(36ude(tOvQt7 CLo3: 2155595Q							
EM1201575-003	Anonymous	EP068: Diazinon	333-41-5	0.5 mg/kg	103	39	129
		EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	95.5	39	126
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	94.8	38	130
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	88.4	35	114
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	98.2	39	125
Ev059A: Moyo6c6n6 AroH-36 scdro6-r8oy(t7 CLo3: 215l P51Q							
EM1201711-002	A8HA4\2001	EP074: Benzene	71-43-2	2 mg/kg	90.6	64	126
		EP074: Toluene	108-88-3	2 mg/kg	94.8	65	131
Ev059E: s-rohey-3ed Ani B-36 CoHi obyd(t7 CLo3: 215l P51Q							
EM1201711-002	A8HA4\2001	EP074: 1.1-Dichloroethene	75-35-4	2 mg/kg	85.2	50	124
		EP074: Trichloroethene	79-01-6	2 mg/kg	90.5	60	122
Ev059g: s-rohey-3ed AroH-36 CoHi obyd(t7 CLo3: 215l P51Q							
EM1201711-002	A8HA4\2001	EP074: Chlorobenzene	108-90-7	2 mg/kg	95.2	69	129
Ev05l A: vBeyon6 CoHi obyd(t7 CLo3: 21555l 0Q							

Sub-Matrix: **SOIL**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Spike Recovery (%): MS	Recovery Limits (%): Low	Recovery Limits (%): High
Ev05l A: vBeyon6 CoHi obyd(t7 CLo3 21555l 0Q F6oy3ybed							
EM1201575-009	Anonymous	EP075: Phenol	108-95-2	5 mg/kg	69.1	23.7	119
		EP075: 2-Chlorophenol	95-57-8	5 mg/kg	59.9	31.1	116
		EP075: 2-Nitrophenol	88-75-5	5 mg/kg	68.5	16.4	115
		EP075: 4-Chloro-3-Methylphenol	59-50-7	5 mg/kg	91.1	22.3	122
		EP075: Pentachlorophenol	87-86-5	5 mg/kg	86.7	17.6	142
Ev05l p: vorcyb6re-r AroH-3l6 s cdro6-r8oy(t7 CLo3 21555l 0Q							
EM1201575-009	Anonymous	EP075: Acenaphthene	83-32-9	5 mg/kg	90.2	25.4	122
		EP075: Pyrene	129-00-0	5 mg/kg	91.0	14.6	127
Ev05l D: Nu8ro(-H uye(t7 CLo3 21555l 0Q							
EM1201575-009	Anonymous	EP075: N-Nitrosodi-n-propylamine	621-64-7	5 mg/kg	50.8	17.8	110
Ev05l E: Nu8ro-roH-3l6(-yd Ke3oye(t7 CLo3 21555l 0Q							
EM1201575-009	Anonymous	EP075: 2.4-Dinitrotoluene	121-14-2	5 mg/kg	93.4	28.3	112
Ev05l G: CBroruy-3ed s cdro6-r8oy(t7 CLo3 21555l 0Q							
EM1201575-009	Anonymous	EP075: 1.4-Dichlorobenzene	106-46-7	5 mg/kg	59.1	23	112
		EP075: 1.2.4-Trichlorobenzene	120-82-1	5 mg/kg	53.8	12.9	111
Ev0m0/051: To3-nve3romebH s cdro6-r8oy(t7 CLo3 215l P50Q							
EM1201711-002	A8HA4\2001	EP080: C6 - C9 Fraction	----	28 mg/kg	78.0	49	127
Ev0m0/051: To3-nve3romebH s cdro6-r8oy(t7 CLo3 2155l)5Q							
EM1201711-001	A8HA2\2001	EP071: C10 - C14 Fraction	----	544 mg/kg	82.6	54	123
		EP071: C15 - C28 Fraction	----	1981 mg/kg	95.4	74	134
		EP071: C29 - C36 Fraction	----	818 mg/kg	97.5	63	143
Ev0m0/051: To3-nRe6o4er-8re s cdro6-r8oy(FNEvM 2010 Dr-f3 t7 CLo3 215l P50Q							
EM1201711-002	A8HA4\2001	EP080: C6 - C10 Fraction	----	33 mg/kg	79.1	70	130
Ev0m0/051: To3-nRe6o4er-8re s cdro6-r8oy(FNEvM 2010 Dr-f3 t7 CLo3 2155l)5Q							
EM1201711-001	A8HA2\2001	EP071: >C10 - C16 Fraction	----	870 mg/kg	90.5	54	123
		EP071: >C16 - C34 Fraction	----	2495 mg/kg	98.9	74	134
		EP071: >C34 - C40 Fraction	----	263 mg/kg	87.5	63	143
Ev21): ver6Bror-3e 8c LC/MS t7 CLo3 21m1)02Q							
EM1201711-001	A8HA2\2001	EP216: Perchlorate	7601-90-3	25 µg/kg	91.8	70	130
Ev2a1: verfrboroo63cnA6ud(-yd Sbrfoy-3e(. t7 CLo3 21m19l lQ							
EM1201711-001	A8HA2\2001	EP231: PFOS	1763-23-1	0.005 mg/kg	# Not Determined	54	146
		EP231: PFOA	335-67-1	0.005 mg/kg	# Not Determined	54	134
		EP231: 6:2 Fluorotelomer Sulfonate (6:2 FtS)	27619-97-2	.025 mg/kg	71.1	56	138

Sub-Matrix: **WATER**

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Spike Recovery (%): MS	Recovery Limits (%): Low	Recovery Limits (%): High

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EG020T: To3-nMe3-r(8c ICv FMS t7 CLo3 215P) a2Q							
EM1201696-005	Anonymous	EG020A-T: Arsenic	7440-38-2	1 mg/L	131	72	146
		EG020A-T: Cadmium	7440-43-9	0.25 mg/L	93.4	73	131
		EG020A-T: Chromium	7440-47-3	1 mg/L	84.0	65	131
		EG020A-T: Copper	7440-50-8	1 mg/L	95.3	71	125
		EG020A-T: Lead	7439-92-1	1 mg/L	96.7	68	130
		EG020A-T: Nickel	7440-02-0	1 mg/L	94.1	72	128
		EG020A-T: Zinc	7440-66-6	1 mg/L	95.6	67	129
EG0al T: To3-nRe6o4er-8re Mer6brc 8c gIMS t7 CLo3 215) 1amQ							
EM1201672-001	Anonymous	EG035T: Mercury	7439-97-6	0.0100 mg/L	95.1	70	130

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EM1201711**	Page	: 1 of 11
Client	: GOLDER ASSOCIATES	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	Address	: 4 Westall Rd Springvale VIC Australia 3171
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +61 03 8862 3500	Telephone	: +61-3-8549 9644
Facsimile	: +61 03 8862 3501	Facsimile	: +61-3-8549 9601
Project	: 117613201	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: F VIC		
C-O-C number	: ----	Date Samples Received	: 17-FEB-2012
Sampler	: RH	Issue Date	: 27-FEB-2012
Order number	: GA-MELB 332509		
		No. of samples received	: 6
Quote number	: ME/054/12	No. of samples analysed	: 6

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 Interpretive Quality Control Report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The following report summarises extraction / preparation and analysis times and compares with recommended holding times. Dates reported represent first date of extraction or analysis and precludes subsequent dilutions and reruns. Information is also provided re the sample container (preservative) from which the analysis aliquot was taken. Elapsed period to analysis represents number of days from sampling where no extraction / digestion is involved or period from extraction / digestion where this is present. For composite samples, sampling date is assumed to be that of the oldest sample contributing to the composite. Sample date for laboratory produced leachates is assumed as the completion date of the leaching process. Outliers for holding time are based on USEPA SW 846, APHA, AS and NEPM (1999). A listing of breaches is provided in the Summary of Outliers.

Holding times for leachate methods (excluding elutriates) vary according to the analytes being determined on the resulting solution. For non-volatile analytes, the holding time compliance assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These soil holding times are: Organics (14 days); Mercury (28 days) & other metals (180 days). A recorded breach therefore does not guarantee a breach for all non-volatile parameters.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA002 : pH (Soils)							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**20-FEB-2012**	22-FEB-2012	✓	**20-FEB-2012**	20-FEB-2012	✓
EA055: Moisture Content							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801, A8HTB\2701	**15-FEB-2012**	**----**	----	----	**20-FEB-2012**	29-FEB-2012	✓
EG005T: Total Metals by ICP-AES							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	13-AUG-2012	✓	**22-FEB-2012**	13-AUG-2012	✓
EG035T: Total Recoverable Mercury by FIMS							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	14-MAR-2012	✓	**22-FEB-2012**	14-MAR-2012	✓
EP004: Organic Matter							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**20-FEB-2012**	22-FEB-2012	✓	**20-FEB-2012**	19-MAR-2012	✓
EP066: Polychlorinated Biphenyls (PCB)							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP068A: Organochlorine Pesticides (OC)							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP068B: Organophosphorus Pesticides (OP)							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074A: Monocyclic Aromatic Hydrocarbons								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074B: Oxygenated Compounds								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074C: Sulfonated Compounds								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074D: Fumigants								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074E: Halogenated Aliphatic Compounds								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074F: Halogenated Aromatic Compounds								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074G: Trihalomethanes								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
A8HA5\2001,	A8HA5\2801,							
A8HTB\2701								
EP074H: Naphthalene								
Soil Glass Jar - Unpreserved								
A8HTB\2701		**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
EP075A: Phenolic Compounds								
Soil Glass Jar - Unpreserved								
A8HA2\2001,	A8HA4\2001,	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
A8HA5\2001,	A8HA5\2801							

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP075B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075C: Phthalate Esters							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075D: Nitrosamines							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075E: Nitroaromatics and Ketones							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075F: Haloethers							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075G: Chlorinated Hydrocarbons							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075H: Anilines and Benzidines							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075I: Organochlorine Pesticides							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP075J: Organophosphorus Pesticides							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP080/071: Total Recoverable Hydrocarbons - NEPM 2010 Draft							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**20-FEB-2012**	29-FEB-2012	✓	**21-FEB-2012**	29-FEB-2012	✓
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**21-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	01-APR-2012	✓
EP216: Perchlorate by LC/MS							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**24-FEB-2012**	14-MAR-2012	✓	**24-FEB-2012**	23-MAR-2012	✓
EP231: Perfluorooctyl Acids and Sulfonates.							
Soil Glass Jar - Unpreserved A8HA2\2001, A8HA4\2001, A8HA5\2001, A8HA5\2801	**15-FEB-2012**	**27-FEB-2012**	13-AUG-2012	✓	**27-FEB-2012**	07-APR-2012	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EG020T: Total Metals by ICP-MS							
Clear Plastic Bottle - Nitric Acid; Unfiltered A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	13-AUG-2012	✓	**22-FEB-2012**	13-AUG-2012	✓
EG035T: Total Recoverable Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Unfiltered A8HA5\25150212	**15-FEB-2012**	**----**	----	----	**20-FEB-2012**	14-MAR-2012	✓
EP072: Volatile Scan for Unknowns							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	07-MAR-2012	✓
EP074A: Monocyclic Aromatic Hydrocarbons							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074B: Oxygenated Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074C: Sulfonated Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074D: Fumigants							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074E: Halogenated Aliphatic Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074F: Halogenated Aromatic Compounds							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074G: Trihalomethanes							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓
EP074H: Naphthalene							
Amber VOC Vial- NaHSO4 or H2SO4 A8HA5\25150212	**15-FEB-2012**	**22-FEB-2012**	29-FEB-2012	✓	**22-FEB-2012**	29-FEB-2012	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055-103	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Organic Matter	EP004	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	4	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	2	12	**16.7**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
pH (1:5)	EA002	1	7	**14.3**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	2	18	**11.1**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	9	**11.1**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	8	**12.5**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	2	20	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	10	**10.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	2	11	**18.2**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	8	**12.5**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Organic Matter	EP004	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	1	12	**8.3**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	18	**5.6**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	9	**11.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	10	**10.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Organic Matter	EP004	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perchlorate in Soils and Sediments by LC/MS	EP216	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	4	**25.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Pesticides by GCMS	EP068	1	12	**8.3**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	18	**5.6**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	9	**11.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	10	**10.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	11	**9.1**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Perchlorate in Soils and Sediments by LC/MS	EP216	1	4	**25.0**	**5.0**	✓	ALS QCS3 requirement

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Matrix Spikes (MS) - Continued							
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	EP231	1	4	**25.0**	**5.0**	✓	ALS QCS3 requirement
Pesticides by GCMS	EP068	1	12	**8.3**	**5.0**	✓	ALS QCS3 requirement
Polychlorinated Biphenyls (PCB)	EP066	1	18	**5.6**	**5.0**	✓	ALS QCS3 requirement
Semivolatile Organic Compounds	EP075	1	9	**11.1**	**5.0**	✓	ALS QCS3 requirement
Total Mercury by FIMS	EG035T	1	8	**12.5**	**5.0**	✓	ALS QCS3 requirement
Total Metals by ICP-AES	EG005T	1	20	**5.0**	**5.0**	✓	ALS QCS3 requirement
TPH - Semivolatile Fraction	EP071	1	10	**10.0**	**5.0**	✓	ALS QCS3 requirement
TPH Volatiles/BTEX	EP080	1	11	**9.1**	**5.0**	✓	ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	8	**12.5**	**5.0**	✓	ALS QCS3 requirement

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Total Mercury by FIMS	EG035T	2	17	**11.8**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	2	8	**25.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	1	**100.0**	**10.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Total Mercury by FIMS	EG035T	1	17	**5.9**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	1	**100.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Total Mercury by FIMS	EG035T	1	17	**5.9**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	8	**12.5**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Organic Compounds	EP074	1	1	**100.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Volatile Scan for Unknowns	EP072	1	1	**100.0**	**5.0**	✓	NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Total Mercury by FIMS	EG035T	1	17	**5.9**	**5.0**	✓	ALS QCS3 requirement
Total Metals by ICP-MS - Suite A	EG020A-T	1	8	**12.5**	**5.0**	✓	ALS QCS3 requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
pH (1:5)	EA002	SOIL	(APHA 21st ed., 4500H+) pH is determined on soil samples after a 1:5 soil/water leach. This method is compliant with NEPM (1999) Schedule B(3) (Method 103)
Moisture Content	EA055-103	SOIL	A gravimetric procedure based on weight loss over a 12 hour drying period at 103-105 degrees C. This method is compliant with NEPM (2010 Draft) Schedule B(3) Section 7.1 and Table 1 (14 day holding time).
Total Metals by ICP-AES	EG005T	SOIL	(APHA 21st ed., 3120; USEPA SW 846 - 6010) (ICPAES) Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM (1999) Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	AS 3550, APHA 21st ed., 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3)
Organic Matter	EP004	SOIL	AS1289.4.1.1 - 1997., Dichromate oxidation method after Walkley and Black. This method is compliant with NEPM (1999) Schedule B(3) (Method 105)
Polychlorinated Biphenyls (PCB)	EP066	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 504)
Pesticides by GCMS	EP068	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM (1999) Schedule B(3) (Method 504,505)
TPH - Semivolatile Fraction	EP071	SOIL	(USEPA SW 846 - 8015A) Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C36. This method is compliant with NEPM (1999) Schedule B(3) (Method 506.1)
Volatile Scan for Unknowns	EP072	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS and unknowns are identified by comparison of peaks with the NIST library. Semiquantification is by comparison with the closest eluting internal standard.
Semivolatile Scan for Unknowns	EP073	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Capillary GC/MS and unknowns are identified by comparison of peaks with the NIST library. Semiquantification is by comparison with the closest eluting internal standard.
Volatile Organic Compounds	EP074	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501)
Semivolatile Organic Compounds	EP075	SOIL	(USEPA SW 846 - 8270B) Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM (1999) Schedule B(3) (Method 502)
TPH Volatiles/BTEX	EP080	SOIL	(USEPA SW 846 - 8260B) Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Method 501)
Perchlorate in Soils and Sediments by LC/MS	EP216	SOIL	US EPA Method 6850: 5 g of sample is extrascted with 25 mL of water acidifed with acetic acid, filtered with a 0.2 µm filter (to extend extract holding time) and analysed by LC/MS in ESI (negative) mode.

Analytical Methods	Method	Matrix	Method Descriptions
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	* EP231	SOIL	In-House. A portion of soil is soaked in sodium hydroxide followed by extraction with methanol. The extract is neutralised with HCl and an aliquot taken to dryness, made up in mobile phase. Analysis is by LC/MSMS, ESI Negative Mode using MRM.
Total Metals by ICP-MS - Suite A	EG020A-T	WATER	(APHA 21st ed., 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020): The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector.
Total Mercury by FIMS	EG035T	WATER	AS 3550, APHA 21st ed. 3112 Hg - B (Flow-injection (SnCl2)(Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. A bromate/bromide reagent is used to oxidise any organic mercury compounds in the unfiltered sample. The ionic mercury is reduced online to atomic mercury vapour by SnCl2 which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
Volatile Scan for Unknowns	EP072	WATER	USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
Volatile Organic Compounds	EP074	WATER	USEPA SW 846 - 8260B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)

Preparation Methods	Method	Matrix	Method Descriptions
1:5 solid / water leach for soluble analytes	EN34	SOIL	10 g of soil is mixed with 50 mL of distilled water and tumbled end over end for 1 hour. Water soluble salts are leached from the soil by the continuous suspension. Samples are settled and the water filtered off for analysis.
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	USEPA 200.2 Mod. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM (1999) Schedule B(3) (Method 202)
Organic Matter	EP004-PR	SOIL	AS1289.4.1.1 - 1997., Dichromate oxidation method after Walkley and Black. This method is compliant with NEPM (1999) Schedule B(3) (Method 105)
Sample Extraction for Perchlorate	EP216-PR	SOIL	US EPA 6850.
Sample Extraction for Perfluoroalkyl Compounds	EP231-PR	SOIL	In-House
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	(USEPA SW 846 - 5030A) 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids (Option A - Concentrating)	ORG17A	SOIL	In-house, Mechanical agitation (tumbler). 20g of sample, Na2SO4 and surrogate are extracted with 150mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.
Tumbler Extraction of Solids (Option B - Non-concentrating)	ORG17B	SOIL	In-house, Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 20mL 1:1 DCM/Acetone by end over end tumble. The solvent is transferred directly to a GC vial for analysis.
Digestion for Total Recoverable Metals	EN25	WATER	USEPA SW846-3005 Method 3005 is a Nitric/Hydrochloric acid digestion procedure used to prepare surface and ground water samples for analysis by ICPAES or ICPMS. This method is compliant with NEPM (1999) Schedule B(3) (Appdx. 2)
Volatiles Water Preparation	ORG16-W	WATER	A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for sparging.

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP075D: Nitrosamines	2578288-008	----	**Methapyrilene**	91-80-5	16.3 %	24.4-143%	**Recovery less than lower control limit**
EP075E: Nitroaromatics and Ketones	2578288-008	----	**1-Naphthylamine**	134-32-7	4.5 %	10-84%	**Recovery less than lower control limit**
Matrix Spike (MS) Recoveries							
EP231: Perfluorooctyl Acids and Sulfonates.	EM1201711-001	A8HA2\2001	**PFOS**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231: Perfluorooctyl Acids and Sulfonates.	EM1201711-001	A8HA2\2001	**PFOA**	335-67-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP074E: Halogenated Aliphatic Compounds	2580422-001	----	**cis-1.4-Dichloro-2-butene**	1476-11-5	52.3 %	54-132%	**Recovery less than lower control limit**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

The following report highlights breaches in the Frequency of Quality Control Samples.

- **No Quality Control Sample Frequency Outliers exist.**

CERTIFICATE OF ANALYSIS

Work Order	: **EM1202311**	Page	: 1 of 9
Client	: **GOLDER ASSOCIATES**	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	Address	: 4 Westall Rd Springvale VIC Australia 3171
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +61 03 8862 3500	Telephone	: +61-3-8549 9644
Facsimile	: +61 03 8862 3501	Facsimile	: +61-3-8549 9601
Project	: 117613201	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Order number	: GA MELB 332509		
C-O-C number	: 8163	Date Samples Received	: 02-MAR-2012
Sampler	: NMC	Issue Date	: 13-MAR-2012
Site	: F-VIC		
		No. of samples received	: 11
Quote number	: EN/002/11	No. of samples analysed	: 7

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

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.

Signatories	*Position*	*Accreditation Category*
Nancy Wang	Senior Semivolatile Instrument Chemist	Melbourne Organics
Xingbin Lin	Senior Organic Chemist	Melbourne Organics

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

- **EP074: Insufficient sample has been provided for standard analysis. Where applicable LOR values have been adjusted accordingly.**

Analytical Results

Sub-Matrix: **VEGETATION**

Compound	CAS Number	LOR	Unit	Client sample ID: TC1/8001 Client sampling date / time: 01-MAR-2012 15:00 EM1202311-001	TC1/8801 01-MAR-2012 15:00 EM1202311-002	TC2/8002 01-MAR-2012 15:00 EM1202311-003	TC3/8003 01-MAR-2012 15:00 EM1202311-004	TC7/8007 01-MAR-2012 15:00 EM1202311-008
EP074A: Monocyclic Aromatic Hydrocarbons								
Benzene	71-43-2	0.2	mg/kg	<0.8	<0.8	<0.6	<0.5	<0.8
Toluene	108-88-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Ethylbenzene	100-41-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Styrene	100-42-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
ortho-Xylene	95-47-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Isopropylbenzene	98-82-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
n-Propylbenzene	103-65-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
sec-Butylbenzene	135-98-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
tert-Butylbenzene	98-06-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
p-Isopropyltoluene	99-87-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
n-Butylbenzene	104-51-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074B: Oxygenated Compounds								
Vinyl Acetate	108-05-4	5	mg/kg	<20	<20	<15	<12	<20
2-Butanone (MEK)	78-93-3	5	mg/kg	<20	<20	<15	<12	<20
4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<20	<20	<15	<12	<20
2-Hexanone (MBK)	591-78-6	5	mg/kg	<20	<20	<15	<12	<20
EP074C: Sulfonated Compounds								
Carbon disulfide	75-15-0	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074D: Fumigants								
2.2-Dichloropropane	594-20-7	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2-Dichloropropane	78-87-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074E: Halogenated Aliphatic Compounds								
Dichlorodifluoromethane	75-71-8	5	mg/kg	<20	<20	<15	<12	<20
Chloromethane	74-87-3	5	mg/kg	<20	<20	<15	<12	<20
Vinyl chloride	75-01-4	5	mg/kg	<20	<20	<15	<12	<20
Bromomethane	74-83-9	5	mg/kg	<20	<20	<15	<12	<20
Chloroethane	75-00-3	5	mg/kg	<20	<20	<15	<12	<20
Trichlorofluoromethane	75-69-4	5	mg/kg	<20	<20	<15	<12	<20
1.1-Dichloroethene	75-35-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Iodomethane	74-88-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1-Dichloroethane	75-34-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0

Analytical Results

Sub-Matrix: **VEGETATION**

Compound	CAS Number	LOR	Unit	Client sample ID: TC1/8001 Client sampling date / time: 01-MAR-2012 15:00 EM1202311-001	TC1/8801 01-MAR-2012 15:00 EM1202311-002	TC2/8002 01-MAR-2012 15:00 EM1202311-003	TC3/8003 01-MAR-2012 15:00 EM1202311-004	TC7/8007 01-MAR-2012 15:00 EM1202311-008
EP074E: Halogenated Aliphatic Compounds - Continued								
cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Carbon Tetrachloride	56-23-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2-Dichloroethane	107-06-2	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Trichloroethene	79-01-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Dibromomethane	74-95-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.3-Dichloropropane	142-28-9	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Tetrachloroethene	127-18-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Pentachloroethane	76-01-7	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Hexachlorobutadiene	87-68-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074F: Halogenated Aromatic Compounds								
Chlorobenzene	108-90-7	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Bromobenzene	108-86-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
2-Chlorotoluene	95-49-8	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
4-Chlorotoluene	106-43-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074G: Trihalomethanes								
Chloroform	67-66-3	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Bromodichloromethane	75-27-4	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Dibromochloromethane	124-48-1	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
Bromoform	75-25-2	0.5	mg/kg	<2.0	<2.0	<1.5	<1.2	<2.0
EP074H: Naphthalene								
Naphthalene	91-20-3	5	mg/kg	<20	<20	<15	<12	<20
EP074S: VOC Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.1	%	**72.6**	**80.9**	**81.7**	**82.5**	**81.2**
Toluene-D8	2037-26-5	0.1	%	**81.3**	**83.8**	**89.7**	**78.4**	**83.0**

Analytical Results

Sub-Matrix: VEGETATION				Client sample ID	TC1/8001	TC1/8801	TC2/8002	TC3/8003	TC7/8007
				Client sampling date / time	01-MAR-2012 15:00	01-MAR-2012 15:00	01-MAR-2012 15:00	01-MAR-2012 15:00	01-MAR-2012 15:00
Compound	CAS Number	LOR	Unit		EM1202311-001	EM1202311-002	EM1202311-003	EM1202311-004	EM1202311-008
EP074S: VOC Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.1	%		**72.5**	**74.5**	**78.0**	**67.0**	**72.1**

Analytical Results

Sub-Matrix: **WATER**

Compound	CAS Number	LOR	Unit	Client sample ID	TC9/8509	TC10/8710	----	----	----
				Client sampling date / time	01-MAR-2012 15:00	01-MAR-2012 15:00	----	----	----
					EM1202311-010	EM1202311-011	----	----	----
EP074A: Monocyclic Aromatic Hydrocarbons									
Benzene	71-43-2	1	µg/L		<1	<1	----	----	----
Toluene	108-88-3	2	µg/L		<2	<2	----	----	----
Ethylbenzene	100-41-4	2	µg/L		<2	<2	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	<2	----	----	----
Styrene	100-42-5	5	µg/L		<5	<5	----	----	----
ortho-Xylene	95-47-6	2	µg/L		<2	<2	----	----	----
Isopropylbenzene	98-82-8	5	µg/L		<5	<5	----	----	----
n-Propylbenzene	103-65-1	5	µg/L		<5	<5	----	----	----
1.3.5-Trimethylbenzene	108-67-8	5	µg/L		<5	<5	----	----	----
sec-Butylbenzene	135-98-8	5	µg/L		<5	<5	----	----	----
1.2.4-Trimethylbenzene	95-63-6	5	µg/L		<5	<5	----	----	----
tert-Butylbenzene	98-06-6	5	µg/L		<5	<5	----	----	----
p-Isopropyltoluene	99-87-6	5	µg/L		<5	<5	----	----	----
n-Butylbenzene	104-51-8	5	µg/L		<5	<5	----	----	----
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	50	µg/L		<50	<50	----	----	----
2-Butanone (MEK)	78-93-3	50	µg/L		<50	<50	----	----	----
4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L		<50	<50	----	----	----
2-Hexanone (MBK)	591-78-6	50	µg/L		<50	<50	----	----	----
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	5	µg/L		<5	<5	----	----	----
EP074D: Fumigants									
2.2-Dichloropropane	594-20-7	5	µg/L		<5	<5	----	----	----
1.2-Dichloropropane	78-87-5	5	µg/L		<5	<5	----	----	----
cis-1.3-Dichloropropylene	10061-01-5	5	µg/L		<5	<5	----	----	----
trans-1.3-Dichloropropylene	10061-02-6	5	µg/L		<5	<5	----	----	----
1.2-Dibromoethane (EDB)	106-93-4	5	µg/L		<5	<5	----	----	----
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	50	µg/L		<50	<50	----	----	----
Chloromethane	74-87-3	50	µg/L		<50	<50	----	----	----
Vinyl chloride	75-01-4	50	µg/L		<50	<50	----	----	----
Bromomethane	74-83-9	50	µg/L		<50	<50	----	----	----
Chloroethane	75-00-3	50	µg/L		<50	<50	----	----	----
Trichlorofluoromethane	75-69-4	50	µg/L		<50	<50	----	----	----
1.1-Dichloroethene	75-35-4	5	µg/L		<5	<5	----	----	----
Iodomethane	74-88-4	5	µg/L		<5	<5	----	----	----
trans-1.2-Dichloroethene	156-60-5	5	µg/L		<5	<5	----	----	----
1.1-Dichloroethane	75-34-3	5	µg/L		<5	<5	----	----	----

Analytical Results

Sub-Matrix: WATER				Client sample ID	TC9/8509	TC10/8710	----	----	----
				Client sampling date / time	01-MAR-2012 15:00	01-MAR-2012 15:00	----	----	----
Compound	CAS Number	LOR	Unit		EM1202311-010	EM1202311-011	----	----	----
EP074E: Halogenated Aliphatic Compounds - Continued									
cis-1.2-Dichloroethene	156-59-2	5	µg/L		<5	<5	----	----	----
1.1.1-Trichloroethane	71-55-6	5	µg/L		<5	<5	----	----	----
1.1-Dichloropropylene	563-58-6	5	µg/L		<5	<5	----	----	----
Carbon Tetrachloride	56-23-5	5	µg/L		<5	<5	----	----	----
1.2-Dichloroethane	107-06-2	5	µg/L		<5	<5	----	----	----
Trichloroethene	79-01-6	5	µg/L		<5	<5	----	----	----
Dibromomethane	74-95-3	5	µg/L		<5	<5	----	----	----
1.1.2-Trichloroethane	79-00-5	5	µg/L		<5	<5	----	----	----
1.3-Dichloropropane	142-28-9	5	µg/L		<5	<5	----	----	----
Tetrachloroethene	127-18-4	5	µg/L		<5	<5	----	----	----
1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L		<5	<5	----	----	----
trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L		<5	<5	----	----	----
cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L		<5	<5	----	----	----
1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L		<5	<5	----	----	----
1.2.3-Trichloropropane	96-18-4	5	µg/L		<5	<5	----	----	----
Pentachloroethane	76-01-7	5	µg/L		<5	<5	----	----	----
1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L		<5	<5	----	----	----
Hexachlorobutadiene	87-68-3	5	µg/L		<5	<5	----	----	----
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	5	µg/L		<5	<5	----	----	----
Bromobenzene	108-86-1	5	µg/L		<5	<5	----	----	----
2-Chlorotoluene	95-49-8	5	µg/L		<5	<5	----	----	----
4-Chlorotoluene	106-43-4	5	µg/L		<5	<5	----	----	----
1.3-Dichlorobenzene	541-73-1	5	µg/L		<5	<5	----	----	----
1.4-Dichlorobenzene	106-46-7	5	µg/L		<5	<5	----	----	----
1.2-Dichlorobenzene	95-50-1	5	µg/L		<5	<5	----	----	----
1.2.4-Trichlorobenzene	120-82-1	5	µg/L		<5	<5	----	----	----
1.2.3-Trichlorobenzene	87-61-6	5	µg/L		<5	<5	----	----	----
EP074G: Trihalomethanes									
Chloroform	67-66-3	5	µg/L		<5	<5	----	----	----
Bromodichloromethane	75-27-4	5	µg/L		<5	<5	----	----	----
Dibromochloromethane	124-48-1	5	µg/L		<5	<5	----	----	----
Bromoform	75-25-2	5	µg/L		<5	<5	----	----	----
EP074H: Naphthalene									
Naphthalene	91-20-3	7	µg/L		<7	<7	----	----	----
EP074S: VOC Surrogates									
1.2-Dichloroethane-D4	17060-07-0	0.1	%		**110**	**115**	----	----	----
Toluene-D8	2037-26-5	0.1	%		**109**	**110**	----	----	----

Analytical Results

Sub-Matrix: WATER				Client sample ID	TC9/8509	TC10/8710	----	----	----
				Client sampling date / time	01-MAR-2012 15:00	01-MAR-2012 15:00	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*		**EM1202311-010**	**EM1202311-011**	**----**	**----**	**----**
EP074S: VOC Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.1	%		**87.5**	**88.8**	----	----	----

Surrogate Control Limits

Sub-Matrix: **VEGETATION**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	62	122
Toluene-D8	2037-26-5	64	120
4-Bromofluorobenzene	460-00-4	66	124

Sub-Matrix: **WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP074S: VOC Surrogates			
1.2-Dichloroethane-D4	17060-07-0	72	132
Toluene-D8	2037-26-5	74	128
4-Bromofluorobenzene	460-00-4	70	132

QUALITY CONTROL REPORT

Work Order	: **EM1202311**	Page	: 1 of 12
Client	: **GOLDER ASSOCIATES**	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 6079 Building 7, 570-588 Swan St, Richmond, VIC. 3121 HAWTHORN WEST VIC, AUSTRALIA 3122	Address	: 4 Westall Rd Springvale VIC Australia 3171
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +61 03 8862 3500	Telephone	: +61-3-8549 9644
Facsimile	: +61 03 8862 3501	Facsimile	: +61-3-8549 9601
Project	: 117613201	QC Level	: NEPM 1999 Schedule B(3) and ALS QCS3 requirement
Site	: F-VIC		
C-O-C number	: 8163	Date Samples Received	: 02-MAR-2012
Sampler	: NMC	Issue Date	: 13-MAR-2012
Order number	: GA MELB 332509		
		No. of samples received	: 11
Quote number	: EN/002/11	No. of samples analysed	: 7

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

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.

Signatories	*Position*	*Accreditation Category*
Nancy Wang	Senior Semivolatile Instrument Chemist	Melbourne Organics
Xingbin Lin	Senior Organic Chemist	Melbourne Organics

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: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP074A: Monocyclic Aromatic Hydrocarbons (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP074: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP074: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
EM1202311-011	TC10/8710	EP074: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP074: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP074: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit
		EP074: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP074: Styrene	100-42-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	<5	0.0	No Limit
EP074B: Oxygenated Compounds (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP074B: Oxygenated Compounds (QC Lot: 2199891) - continued									
EM1202311-011	TC10/8710	EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	<50	0.0	No Limit
		EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	<50	0.0	No Limit
EP074C: Sulfonated Compounds (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
EM1202311-011	TC10/8710	EP074: Carbon disulfide	75-15-0	5	µg/L	<5	<5	0.0	No Limit
EP074D: Fumigants (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
EM1202311-011	TC10/8710	EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	<5	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP074E: Halogenated Aliphatic Compounds (QC Lot: 2199891) - continued									
EM1201486-001	Anonymous	EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
EM1202311-011	TC10/8710	EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Iodomethane	74-88-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	<5	0.0	No Limit
		EP074: Trichloroethene	79-01-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromomethane	74-95-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	<5	0.0	No Limit
		EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	<5	0.0	No Limit
		EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Pentachloroethane	76-01-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloromethane	74-87-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Vinyl chloride	75-01-4	50	µg/L	<50	<50	0.0	No Limit
		EP074: Bromomethane	74-83-9	50	µg/L	<50	<50	0.0	No Limit
		EP074: Chloroethane	75-00-3	50	µg/L	<50	<50	0.0	No Limit
		EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	<50	0.0	No Limit
EP074F: Halogenated Aromatic Compounds (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Client sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Recovery Limits (%)*
EP074F: Halogenated Aromatic Compounds (QC Lot: 2199891) - continued									
EM1201486-001	Anonymous	EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
EM1202311-011	TC10/8710	EP074: Chlorobenzene	108-90-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromobenzene	108-86-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	<5	0.0	No Limit
		EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	<5	0.0	No Limit
EP074G: Trihalomethanes (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
EM1202311-011	TC10/8710	EP074: Chloroform	67-66-3	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	<5	0.0	No Limit
		EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	<5	0.0	No Limit
		EP074: Bromoform	75-25-2	5	µg/L	<5	<5	0.0	No Limit
EP074H: Naphthalene (QC Lot: 2199891)									
EM1201486-001	Anonymous	EP074: Naphthalene	91-20-3	7	µg/L	<7	<7	0.0	No Limit
EM1202311-011	TC10/8710	EP074: Naphthalene	91-20-3	7	µg/L	<7	<7	0.0	No Limit

Method Blank (MB) and Laboratory Control Spike (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 2202955)								
EP074: Benzene	71-43-2	0.2	mg/kg	<0.2	1 mg/kg	84.3	75	121
EP074: Toluene	108-88-3	0.5	mg/kg	<0.5	1 mg/kg	84.5	76	124
EP074: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	1 mg/kg	82.4	74	118
EP074: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	2 mg/kg	87.6	75	121
EP074: Styrene	100-42-5	0.5	mg/kg	<0.5	1 mg/kg	76.6	64	120
EP074: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	1 mg/kg	84.8	77	121
EP074: Isopropylbenzene	98-82-8	0.5	mg/kg	<0.5	1 mg/kg	79.4	74	120
EP074: n-Propylbenzene	103-65-1	0.5	mg/kg	<0.5	1 mg/kg	92.0	65	117
EP074: 1.3.5-Trimethylbenzene	108-67-8	0.5	mg/kg	<0.5	1 mg/kg	91.2	65	117
EP074: sec-Butylbenzene	135-98-8	0.5	mg/kg	<0.5	1 mg/kg	94.2	67	117
EP074: 1.2.4-Trimethylbenzene	95-63-6	0.5	mg/kg	<0.5	1 mg/kg	87.1	66	117
EP074: tert-Butylbenzene	98-06-6	0.5	mg/kg	<0.5	1 mg/kg	87.6	68	116
EP074: p-Isopropyltoluene	99-87-6	0.5	mg/kg	<0.5	1 mg/kg	95.0	64	117
EP074: n-Butylbenzene	104-51-8	0.5	mg/kg	<0.5	1 mg/kg	91.2	59	115
EP074B: Oxygenated Compounds (QCLot: 2202955)								
EP074: Vinyl Acetate	108-05-4	5	mg/kg	<5	10 mg/kg	77.7	40	138
EP074: 2-Butanone (MEK)	78-93-3	5	mg/kg	<5	10 mg/kg	78.6	61	143
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	5	mg/kg	<5	10 mg/kg	71.6	63	137
EP074: 2-Hexanone (MBK)	591-78-6	5	mg/kg	<5	10 mg/kg	73.8	63	133
EP074C: Sulfonated Compounds (QCLot: 2202955)								
EP074: Carbon disulfide	75-15-0	0.5	mg/kg	<0.5	1 mg/kg	85.7	57	121
EP074D: Fumigants (QCLot: 2202955)								
EP074: 2.2-Dichloropropane	594-20-7	0.5	mg/kg	<0.5	1 mg/kg	74.5	51	130
EP074: 1.2-Dichloropropane	78-87-5	0.5	mg/kg	<0.5	1 mg/kg	87.0	73	121
EP074: cis-1.3-Dichloropropylene	10061-01-5	0.5	mg/kg	<0.5	1 mg/kg	68.4	59	109
EP074: trans-1.3-Dichloropropylene	10061-02-6	0.5	mg/kg	<0.5	1 mg/kg	62.2	52	110
EP074: 1.2-Dibromoethane (EDB)	106-93-4	0.5	mg/kg	<0.5	1 mg/kg	94.0	68	120
EP074E: Halogenated Aliphatic Compounds (QCLot: 2202955)								
EP074: Dichlorodifluoromethane	75-71-8	5	mg/kg	<5	10 mg/kg	80.3	34	122
EP074: Chloromethane	74-87-3	5	mg/kg	<5	10 mg/kg	96.1	52	133
EP074: Vinyl chloride	75-01-4	5	mg/kg	<5	10 mg/kg	91.2	47	133
EP074: Bromomethane	74-83-9	5	mg/kg	<5	10 mg/kg	85.5	39	116
EP074: Chloroethane	75-00-3	5	mg/kg	<5	10 mg/kg	90.4	43	137

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 2202955) - continued								
EP074: Trichlorofluoromethane	75-69-4	5	mg/kg	<5	10 mg/kg	88.6	61	126
EP074: 1.1-Dichloroethene	75-35-4	0.5	mg/kg	<0.5	1 mg/kg	84.6	62	124
EP074: Iodomethane	74-88-4	0.5	mg/kg	<0.5	1 mg/kg	54.4	47	116
EP074: trans-1.2-Dichloroethene	156-60-5	0.5	mg/kg	<0.5	1 mg/kg	86.1	69	119
EP074: 1.1-Dichloroethane	75-34-3	0.5	mg/kg	<0.5	1 mg/kg	81.3	70	120
EP074: cis-1.2-Dichloroethene	156-59-2	0.5	mg/kg	<0.5	1 mg/kg	80.6	72	120
EP074: 1.1.1-Trichloroethane	71-55-6	0.5	mg/kg	<0.5	1 mg/kg	79.8	64	112
EP074: 1.1-Dichloropropylene	563-58-6	0.5	mg/kg	<0.5	1 mg/kg	82.7	71	117
EP074: Carbon Tetrachloride	56-23-5	0.5	mg/kg	<0.5	1 mg/kg	75.9	51	106
EP074: 1.2-Dichloroethane	107-06-2	0.5	mg/kg	<0.5	1 mg/kg	82.4	70	126
EP074: Trichloroethene	79-01-6	0.5	mg/kg	<0.5	1 mg/kg	85.1	71	120
EP074: Dibromomethane	74-95-3	0.5	mg/kg	<0.5	1 mg/kg	85.9	70	122
EP074: 1.1.2-Trichloroethane	79-00-5	0.5	mg/kg	<0.5	1 mg/kg	85.9	73	125
EP074: 1.3-Dichloropropane	142-28-9	0.5	mg/kg	<0.5	1 mg/kg	82.3	75	125
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	81.4	71	120
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	0.5	mg/kg	<0.5	1 mg/kg	76.2	54	106
EP074: trans-1.4-Dichloro-2-butene	110-57-6	0.5	mg/kg	<0.5	1 mg/kg	69.1	46	112
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	0.5	mg/kg	<0.5	1 mg/kg	64.2	21.8	117
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	0.5	mg/kg	<0.5	1 mg/kg	88.5	71	131
EP074: 1.2.3-Trichloropropane	96-18-4	0.5	mg/kg	<0.5	1 mg/kg	# 61.0	70	134
EP074: Pentachloroethane	76-01-7	0.5	mg/kg	<0.5	1 mg/kg	79.1	40	94
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	0.5	mg/kg	<0.5	1 mg/kg	87.7	41	113
EP074: Hexachlorobutadiene	87-68-3	0.5	mg/kg	<0.5	1 mg/kg	# 128	40	127
EP074F: Halogenated Aromatic Compounds (QCLot: 2202955)								
EP074: Chlorobenzene	108-90-7	0.5	mg/kg	<0.5	1 mg/kg	91.7	78	120
EP074: Bromobenzene	108-86-1	0.5	mg/kg	<0.5	1 mg/kg	103	68	116
EP074: 2-Chlorotoluene	95-49-8	0.5	mg/kg	<0.5	1 mg/kg	100	67	117
EP074: 4-Chlorotoluene	106-43-4	0.5	mg/kg	<0.5	1 mg/kg	94.6	67	115
EP074: 1.3-Dichlorobenzene	541-73-1	0.5	mg/kg	<0.5	1 mg/kg	102	69	115
EP074: 1.4-Dichlorobenzene	106-46-7	0.5	mg/kg	<0.5	1 mg/kg	93.4	70	116
EP074: 1.2-Dichlorobenzene	95-50-1	0.5	mg/kg	<0.5	1 mg/kg	94.9	72	116
EP074: 1.2.4-Trichlorobenzene	120-82-1	0.5	mg/kg	<0.5	1 mg/kg	# 134	49	118
EP074: 1.2.3-Trichlorobenzene	87-61-6	0.5	mg/kg	<0.5	1 mg/kg	# 149	60	120
EP074G: Trihalomethanes (QCLot: 2202955)								
EP074: Chloroform	67-66-3	0.5	mg/kg	<0.5	1 mg/kg	82.8	71	121
EP074: Bromodichloromethane	75-27-4	0.5	mg/kg	<0.5	1 mg/kg	81.2	60	108
EP074: Dibromochloromethane	124-48-1	0.5	mg/kg	<0.5	1 mg/kg	73.7	48	104
EP074: Bromoform	75-25-2	0.5	mg/kg	<0.5	1 mg/kg	76.7	40	106
EP074H: Naphthalene (QCLot: 2202955)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
EP074H: Naphthalene (QCLot: 2202955) - continued								
EP074: Naphthalene	91-20-3	5	mg/kg	<5	1 mg/kg	118	61	132

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Recovery Limits (%): Low	Recovery Limits (%): High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 2199891)								
EP074: Benzene	71-43-2	1	µg/L	<1	20 µg/L	99.6	79	121
EP074: Toluene	108-88-3	2	µg/L	<2	20 µg/L	92.4	80	124
EP074: Ethylbenzene	100-41-4	2	µg/L	<2	20 µg/L	102	79	121
EP074: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	40 µg/L	100	80	122
EP074: Styrene	100-42-5	5	µg/L	<5	20 µg/L	83.7	74	122
EP074: ortho-Xylene	95-47-6	2	µg/L	<2	20 µg/L	109	81	123
EP074: Isopropylbenzene	98-82-8	5	µg/L	<5	20 µg/L	93.9	80	120
EP074: n-Propylbenzene	103-65-1	5	µg/L	<5	20 µg/L	76.6	70	120
EP074: 1.3.5-Trimethylbenzene	108-67-8	5	µg/L	<5	20 µg/L	77.9	71	119
EP074: sec-Butylbenzene	135-98-8	5	µg/L	<5	20 µg/L	82.0	72	120
EP074: 1.2.4-Trimethylbenzene	95-63-6	5	µg/L	<5	20 µg/L	78.4	73	119
EP074: tert-Butylbenzene	98-06-6	5	µg/L	<5	20 µg/L	76.1	73	119
EP074: p-Isopropyltoluene	99-87-6	5	µg/L	<5	20 µg/L	74.1	71	121
EP074: n-Butylbenzene	104-51-8	5	µg/L	<5	20 µg/L	72.4	65	121
EP074B: Oxygenated Compounds (QCLot: 2199891)								
EP074: Vinyl Acetate	108-05-4	50	µg/L	<50	200 µg/L	90.9	57	131
EP074: 2-Butanone (MEK)	78-93-3	50	µg/L	<50	200 µg/L	113	69	135
EP074: 4-Methyl-2-pentanone (MIBK)	108-10-1	50	µg/L	<50	200 µg/L	101	68	136
EP074: 2-Hexanone (MBK)	591-78-6	50	µg/L	<50	200 µg/L	98.6	68	138
EP074C: Sulfonated Compounds (QCLot: 2199891)								
EP074: Carbon disulfide	75-15-0	5	µg/L	<5	20 µg/L	# 57.7	67	127
EP074D: Fumigants (QCLot: 2199891)								
EP074: 2.2-Dichloropropane	594-20-7	5	µg/L	<5	20 µg/L	69.3	59	128
EP074: 1.2-Dichloropropane	78-87-5	5	µg/L	<5	20 µg/L	93.1	77	121
EP074: cis-1.3-Dichloropropylene	10061-01-5	5	µg/L	<5	20 µg/L	# 58.4	70	118
EP074: trans-1.3-Dichloropropylene	10061-02-6	5	µg/L	<5	20 µg/L	# 52.4	66	120
EP074: 1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	20 µg/L	94.0	78	124
EP074E: Halogenated Aliphatic Compounds (QCLot: 2199891)								
EP074: Dichlorodifluoromethane	75-71-8	50	µg/L	<50	200 µg/L	78.2	58	148
EP074: Chloromethane	74-87-3	50	µg/L	<50	200 µg/L	95.8	62	142
EP074: Vinyl chloride	75-01-4	50	µg/L	<50	200 µg/L	100	61	141
EP074: Bromomethane	74-83-9	50	µg/L	<50	200 µg/L	84.6	57	131

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP074E: Halogenated Aliphatic Compounds (QCLot: 2199891) - continued								
EP074: Chloroethane	75-00-3	50	µg/L	<50	200 µg/L	98.4	64	138
EP074: Trichlorofluoromethane	75-69-4	50	µg/L	<50	200 µg/L	96.6	67	131
EP074: 1.1-Dichloroethene	75-35-4	5	µg/L	<5	20 µg/L	98.4	71	125
EP074: Iodomethane	74-88-4	5	µg/L	<5	20 µg/L	77.4	61	135
EP074: trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	20 µg/L	102	75	121
EP074: 1.1-Dichloroethane	75-34-3	5	µg/L	<5	20 µg/L	101	77	121
EP074: cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	20 µg/L	106	78	122
EP074: 1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	20 µg/L	79.6	70	120
EP074: 1.1-Dichloropropylene	563-58-6	5	µg/L	<5	20 µg/L	100	74	122
EP074: Carbon Tetrachloride	56-23-5	5	µg/L	<5	20 µg/L	67.8	57	123
EP074: 1.2-Dichloroethane	107-06-2	5	µg/L	<5	20 µg/L	107	75	125
EP074: Trichloroethene	79-01-6	5	µg/L	<5	20 µg/L	99.4	77	121
EP074: Dibromomethane	74-95-3	5	µg/L	<5	20 µg/L	102	76	122
EP074: 1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	20 µg/L	113	78	126
EP074: 1.3-Dichloropropane	142-28-9	5	µg/L	<5	20 µg/L	100	79	125
EP074: Tetrachloroethene	127-18-4	5	µg/L	<5	20 µg/L	97.0	76	122
EP074: 1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	20 µg/L	78.1	65	119
EP074: trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	20 µg/L	63.5	46	126
EP074: cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	20 µg/L	68.8	54	132
EP074: 1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	20 µg/L	110	75	131
EP074: 1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	20 µg/L	107	75	133
EP074: Pentachloroethane	76-01-7	5	µg/L	<5	20 µg/L	81.3	46	118
EP074: 1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	20 µg/L	89.8	54	124
EP074: Hexachlorobutadiene	87-68-3	5	µg/L	<5	20 µg/L	79.6	50	134
EP074F: Halogenated Aromatic Compounds (QCLot: 2199891)								
EP074: Chlorobenzene	108-90-7	5	µg/L	<5	20 µg/L	98.1	81	121
EP074: Bromobenzene	108-86-1	5	µg/L	<5	20 µg/L	99.7	75	119
EP074: 2-Chlorotoluene	95-49-8	5	µg/L	<5	20 µg/L	81.9	73	121
EP074: 4-Chlorotoluene	106-43-4	5	µg/L	<5	20 µg/L	85.3	72	120
EP074: 1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	20 µg/L	78.4	73	119
EP074: 1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	20 µg/L	85.6	74	120
EP074: 1.2-Dichlorobenzene	95-50-1	5	µg/L	<5	20 µg/L	94.2	78	118
EP074: 1.2.4-Trichlorobenzene	120-82-1	5	µg/L	<5	20 µg/L	81.5	56	128
EP074: 1.2.3-Trichlorobenzene	87-61-6	5	µg/L	<5	20 µg/L	88.3	69	123
EP074G: Trihalomethanes (QCLot: 2199891)								
EP074: Chloroform	67-66-3	5	µg/L	<5	20 µg/L	103	77	121
EP074: Bromodichloromethane	75-27-4	5	µg/L	<5	20 µg/L	85.9	69	117
EP074: Dibromochloromethane	124-48-1	5	µg/L	<5	20 µg/L	59.4	59	119
EP074: Bromoform	75-25-2	5	µg/L	<5	20 µg/L	53.5	49	121

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Recovery Limits (%)	
				Result	Concentration	LCS	Low	High
EP074H: Naphthalene (QCLot: 2199891)								
EP074: Naphthalene	91-20-3	7	µg/L	<7	20 µg/L	89.0	76	124

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	Spike Recovery (%)	Recovery Limits (%)	
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons (QCLot: 2199891)							
EM1201486-002	Anonymous	EP074: Benzene	71-43-2	20 µg/L	108	64	121
		EP074: Toluene	108-88-3	20 µg/L	96.6	63	125
EP074E: Halogenated Aliphatic Compounds (QCLot: 2199891)							
EM1201486-002	Anonymous	EP074: 1.1-Dichloroethene	75-35-4	20 µg/L	88.9	52	104
		EP074: Trichloroethene	79-01-6	20 µg/L	95.3	59	120
EP074F: Halogenated Aromatic Compounds (QCLot: 2199891)							
EM1201486-002	Anonymous	EP074: Chlorobenzene	108-90-7	20 µg/L	107	63	132

INTERPRETIVE QUALITY CONTROL REPORT

Work Order	: **EM1202311**	Page	: 1 of 5
Client	: GOLDER ASSOCIATES	Laboratory	: Environmental Division Melbourne
Contact	: Niamh McCormack	Contact	: Samantha Smith
Address	: P O BOX 5607 Building 09, 06-, 88 Swan St9Richmond9VIC. 3121 HAWTHORN WEST VIC9AUSTRALIA 3122	Address	: 4 Westall Rd Springvale VIC Australia 3101
E-mail	: nmccormack@golder.com.au	E-mail	: samantha.smith@alsglobal.com
Telephone	: +51 63 8852 3, 66	Telephone	: +51-3-8, 47 7544
Facsimile	: +51 63 8852 3, 61	Facsimile	: +51-3-8, 47 7561
Project	: 110513261	QC Level	: NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Site	: F-VIC		
C-O-C number	: 8153	Date Samples Received	: 62-MAR-2612
Sampler	: NMC	Issue Date	: 13-MAR-2612
Order number	: GA MELB 332, 67		
		No. of samples received	: 11
Quote number	: EN/662/11	No. of samples analysed	: 0

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 Interpretive Quality Control Report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Parameter Frequency Compliance
- Brief Method Summaries
- Summary of Outliers

Analysis Holding Time Compliance

The following report summarises extraction / preparation and analysis times and compares with recommended holding times. Dates reported represent first date of extraction or analysis and precludes subsequent dilutions and reruns. Information is also provided re the sample container (preservative) from which the analysis aliquot was taken. Elapsed period to analysis represents number of days from sampling where no extraction / digestion is involved or period from extraction / digestion where this is present. For composite samples9 sampling date is assumed to be that of the oldest sample contributing to the composite. Sample date for laboratory produced leachates is assumed as the completion date of the leaching process. Outliers for holding time are based on USEPA SW 8459 APHA9 AS and NEPM (1777). A listing of breaches is provided in the Summary of Outliers.

Holding times for leachate methods (excluding elutriates) vary according to the analytes being determined on the resulting solution. For non -volatile analytes9 the holding time compliance assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These soil holding times are: Organics (14 days); Mercury (28 days) & other metals (186 days). A recorded breach therefore does not guarantee a breach for all non-volatile parameters.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**----**	----	----	**08-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074A: Monocyclic Aromatic Hydrocarbons								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074B: Oxygenated Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074C: Sulfonated Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074D: Fumigants								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074E: Halogenated Aliphatic Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074F: Halogenated Aromatic Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074G: Trihalomethanes								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								
EP074H: Naphthalene								
Amber VOC Vial- NaHSO4 or H2SO4								
TC1/86619	TC1/88619	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**09-MAR-2012**	1, -MAR-2612	✓
TC2/86629	TC3/86639							
TC0/8660								

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074A: Monocyclic Aromatic Hydrocarbons								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074B: Oxygenated Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074C: Sulfonated Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074D: Fumigants								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074E: Halogenated Aliphatic Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074F: Halogenated Aromatic Compounds								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074G: Trihalomethanes								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓
EP074H: Naphthalene								
Amber VOC Vial- NaHSO4 or H2SO4								
TC7/8, 679	TC16/8016	**01-MAR-2012**	**08-MAR-2012**	1, -MAR-2612	✓	**08-MAR-2012**	1, -MAR-2612	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(where) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA6, , -163	2	1,	**13.3**	**10.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Volatile Organic Compounds	EP604	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Volatile Organic Compounds	EP604	1	,	**20.0**	**5.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Volatile Organic Compounds	EP604	2	5	**33.3**	**10.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Laboratory Control Samples (LCS)							
Volatile Organic Compounds	EP604	1	5	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Method Blanks (MB)							
Volatile Organic Compounds	EP604	1	5	**16.7**	**5.0**	✓	NEPM 1777 Schedule B(3) and ALS QCS3 requirement
Matrix Spikes (MS)							
Volatile Organic Compounds	EP604	1	5	**16.7**	**5.0**	✓	ALS QCS3 requirement

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA9APHA9AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA6, , -163	SOIL	A gravimetric procedure based on weight loss over a 12 hour drying period at 163-16, degrees C. This method is compliant with NEPM (2616 Draft) Schedule B(3) Section 0.1 and Table 1 (14 day holding time).
Volatile Organic Compounds	EP604	SOIL	(USEPA SW 845 - 8256B) Extracts are analysed by Purge and Trap9Capillary GC/MS. Quantification is by comparison against an established , point calibration curve. This method is compliant with NEPM (1777) Schedule B(3) (Method , 61)
Volatile Organic Compounds	EP604	WATER	USEPA SW 845 - 8256B Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established , point calibration curve. This method is compliant with NEPM (1777) Schedule B(3) (Appdx. 2)

Preparation Methods	Method	Matrix	Method Descriptions
Methanolic Extraction of Soils for Purge and Trap	ORG15	SOIL	(USEPA SW 845 - , 636A) , g of solid is shaken with surrogate and 16mL methanol prior to analysis by Purge and Trap - GC/MS.
Volatiles Water Preparation	ORG15-W	SOIL	A , mL aliquot or , mL of a diluted sample is added to a 46 mL VOC vial for sparging.
Volatiles Water Preparation	ORG15-W	WATER	A , mL aliquot or , mL of a diluted sample is added to a 46 mL VOC vial for sparging.

Summary of Outliers

Outliers : Quality Control Samples

The following report highlights outliers flagged in the Quality Control (QC) Report. Surrogate recovery limits are static and based on USEPA SW846 or ALS-QWI/EN/38 (in the absence of specific USEPA limits). This report displays QC Outliers (breaches) only.

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP604E: Halogenated Aliphatic Compounds	2568842-661	----	**1.2.3-Trichloropropane**	75-18-4	51.6 %	06-134%	**Recovery less than lower control limit**
EP604E: Halogenated Aliphatic Compounds	2568842-661	----	**Hexachlorobutadiene**	80-58-3	128 %	46-120%	**Recovery greater than upper control limit**
EP604F: Halogenated Aromatic Compounds	2568842-661	----	**1.2.4-Trichlorobenzene**	126-82-1	134 %	47-118%	**Recovery greater than upper control limit**
EP604F: Halogenated Aromatic Compounds	2568842-661	----	**1.2.3-Trichlorobenzene**	80-51-5	147 %	56-126%	**Recovery greater than upper control limit**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Laboratory Control Spike (LCS) Recoveries							
EP604C: Sulfonated Compounds	256, 170-661	----	**Carbon disulfide**	0, -1, -6	, 0.0 %	50-120%	**Recovery less than lower control limit**
EP604D: Fumigants	256, 170-661	----	**cis-1.3-Dichloropropylene**	16651-61-,	, 8.4 %	06-118%	**Recovery less than lower control limit**
EP604D: Fumigants	256, 170-661	----	**trans-1.3-Dichloropropylene**	16651-62-5	, 2.4 %	55-126%	**Recovery less than lower control limit**

- **For all matrices, no Method Blank value outliers occur.**
- **For all matrices, no Duplicate outliers occur.**
- **For all matrices, no Matrix Spike outliers occur.**

Regular Sample Surrogates

- **For all regular sample matrices, no surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

This report displays Holding Time breaches only. Only the respective Extraction / Preparation and/or Analysis component is/are displayed.

- **No Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

The following report highlights breaches in the Frequency of Quality Control Samples.

- **No Quality Control Sample Frequency Outliers exist.**

Golder Associates

CHAIN OF CUSTODY
Nº 8163

GOLDER ASSOCIATES PTY LTD
BUILDING 7, BOTANICCA CORPORATE PARK, 570 - 588 SWAN STREET
RICHMOND VIC 3121
Tel: (03) 8862 3500
Fax: (03) 8862 3501

Golder Job Number: 117613201
Job Location: F – VIC
Laboratory Issued To: ALS
Purchase Order No.: GA MELB 332509 [EM1201801]
Sampled By (Golder): NMCCORMACK
Golder Job Contact: NIAMH McCormack
Golder Contact Email: nmccormack@golder.com.au

* OBSERVATIONS	SAMPLE DATE	SAMPLE ID TAAXXX/MQNN	SAMPLE TYPE	SAMPLE DEPTH (m)	No. OF CONTAINERS	pH	Metals (As, Cd, Cr (total), Cu, Hg, Ni, Pb, Zn)	Total Petroleum Hydrocarbons (TPH)	Benzene, Toluene, Ethyl benzene, Xylenes (BTEX)	Polycyclic Aromatic Hydrocarbons (PAH) (Standard 16)	Organochlorine Pesticides (OCP)	Organophosphorus Pesticides (OPP)	Polychlorinated Biphenyls (PCB)	EPA Victoria Publication 448.3 Table 2 Screen (no ASLP testing)	EPA Victoria Publication 448.3 Table 3 Screen (incl. ASLP testing)	VOC	HOLD
1	1/3	TC1/8001	Tree Care	N/A	1											X	
2		TC1/8002			VIAL											X	
3		TC2/8002			1 VIAL											X	
4		TC3/8003			"											X	
5		TC4/8004			"											X	X
6		TC5/8005			"												X
7		TC6/8006			"												X
8		TC7/8007			"											X	
9		TC8/8608			"												X
10		TC9/8509	water		"											X	
11		TC10/8710	water		"											X	

Environmental Division
Melbourne
Work Order
EM1202311

Telephone : +61-3-8549 9600

Special Instructions: VIAL NUMBERS ON VIAL: - TC 1/2 = #2, 7 TC 2 = #26, TC 3 = #10 TC 4 = #18, TC 5 = #1 TC 6 = #29 TC 7 = #4, TC 8 = #30 TC 9 = #28.

TURN AROUND TIME REQUIRED
☐ 1 Working Day ☐ 2 Working Days ☐ 3 Working Days ☐ 4 Working Days ☒ 5 Working Days (standard) ☐ Other

SAMPLE RECEIPT
Relinquished by: ..... Date: .....
Organisation: Golder Associates Time: .....
Received by: Rec Ams Date: 2/03/12
Organisation: ..... Time: 3.40 pm

DELIVERED BY:
COURIER/LAB ☐
GOLDER ☐

SAMPLE STATUS
☐ Security Sealed
☐ Chilled
☐ Frozen
☐ Ambient

ANALYTICAL SCHEDULE
Relinquished by: ..... Date: .....
Organisation: Golder Associates Time: .....
Received by: ..... Date: .....
Organisation: ..... Time: .....

RECEIVED BY:
FAX ☐
HAND ☐

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