

CERTIFICATE OF ANALYSIS

Work Order	: EW1510811	Page	: 1 of 22
Client	: WINGECARRIBEE SHIRE COUNCIL	Laboratory	: Environmental Division NSW South Coast
Contact	: MR Scott McAllan	Contact	: Glenn Davies
Address	: PO BOX 141 MOSSVALE NSW AUSTRALIA	Address	: 99 Kenny Street, Wollongong 2500 Unit 4 / 13 Geary Place, PO Box 3105, North Nowra 2541 AUSTRALIA
E-mail	: scott.mcallan@wsc.nsw.gov.au	E-mail	: glenn.davies@alsglobal.com
Telephone	: ----	Telephone	: 02 42253125
Facsimile	: ----	Facsimile	: W 02 42253128 N 02 44232083
Project	: Annual Waters and Methane	QC Level	: NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Order number	: ----	Date Samples Received	: 07-Jul-2015 14:25
C-O-C number	: ----	Date Analysis Commenced	: 07-Jul-2015
Sampler	: Craig Wilson, Glenn Davies	Issue Date	: 15-Jul-2015 11:44
Site	: ----		
Quote number	: ----	No. of samples received	: 17
		No. of samples analysed	: 17

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



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.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Ankit Joshi	Inorganic Chemist	Sydney Inorganics
Celine Conceicao	Senior Spectroscopist	Sydney Inorganics
Glenn Davies	Environmental Services Representative	Laboratory - Wollongong
Pabi Subba	Senior Organic Chemist	Sydney 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

∅ = ALS is not NATA accredited for these tests.

- EP035G: Poor spike recovery for (Total Phenol) due to matrix interferences(confirmed by re-analysis).
- Sampling and sample data supplied by ALS Wollongong.
- Sampling completed as per FWI-EN001 Groundwater Sampling.
- Sampling completed as per FWI-EN002 Surface Water Sampling.
- Field tests completed on day of sampling/receipt.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 1	Point 2	Point 3	Point 4	Point 5
Client sampling date / time				07-Jul-2015 10:10	07-Jul-2015 10:35	07-Jul-2015 10:15	07-Jul-2015 11:40	07-Jul-2015 11:48	
Compound	CAS Number	LOR	Unit	EW1510811-001	EW1510811-002	EW1510811-003	EW1510811-004	EW1510811-005	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	6.2	6.3	----	----	----	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	235	2250	----	----	----	
EA015: Total Dissolved Solids									
^ Total Dissolved Solids @180°C	----	10	mg/L	156	1350	----	----	----	
EA025: Suspended Solids									
^ Suspended Solids (SS)	----	5	mg/L	----	----	----	----	----	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	----	----	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	----	----	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	51	303	----	----	----	
Total Alkalinity as CaCO3	----	1	mg/L	51	303	----	----	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	45	417	----	----	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	2	310	----	----	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	30	130	----	----	----	
Magnesium	7439-95-4	1	mg/L	4	50	----	----	----	
Sodium	7440-23-5	1	mg/L	8	265	----	----	----	
Potassium	7440-09-7	1	mg/L	<1	66	----	----	----	
EG020T: Total Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L	0.001	0.003	----	----	----	
Cadmium	7440-43-9	0.0001	mg/L	<0.0001	0.0001	----	----	----	
Chromium	7440-47-3	0.001	mg/L	0.001	<0.001	----	----	----	
Nickel	7440-02-0	0.001	mg/L	0.006	0.003	----	----	----	
Lead	7439-92-1	0.001	mg/L	0.002	0.017	----	----	----	
Zinc	7440-66-6	0.005	mg/L	0.036	0.046	----	----	----	
Iron	7439-89-6	0.05	mg/L	2.11	1.12	----	----	----	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L	<0.0001	<0.0001	----	----	----	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	<0.1	<0.1	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 1	Point 2	Point 3	Point 4	Point 5
Client sampling date / time					07-Jul-2015 10:10	07-Jul-2015 10:35	07-Jul-2015 10:15	07-Jul-2015 11:40	07-Jul-2015 11:48
Compound	CAS Number	LOR	Unit		EW1510811-001	EW1510811-002	EW1510811-003	EW1510811-004	EW1510811-005
					Result	Result	Result	Result	Result
EK040P: Fluoride by PC Titrator - Continued									
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		0.03	0.31	----	----	----
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		2.35	0.38	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		1.0	1.2	----	----	----
EN055: Ionic Balance									
^ Total Anions	----	0.01	meq/L		2.01	23.5	----	----	----
^ Total Cations	----	0.01	meq/L		2.17	23.8	----	----	----
^ Ionic Balance	----	0.01	%		----	0.71	----	----	----
EN67 PK: Field Tests									
Field Observations	----	0.01	--		----	----	NOT FOUND	DRY	NOT FOUND
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L		10	13	----	----	----
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L		----	----	----	----	----
EP030: Biochemical Oxygen Demand (BOD)									
Biochemical Oxygen Demand	----	2	mg/L		----	----	----	----	----
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L		<0.05	<0.05	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L		<0.5	<0.5	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L		<0.5	<0.5	----	----	----
beta-BHC	319-85-7	0.5	µg/L		<0.5	<0.5	----	----	----
gamma-BHC	58-89-9	0.5	µg/L		<0.5	<0.5	----	----	----
delta-BHC	319-86-8	0.5	µg/L		<0.5	<0.5	----	----	----
Heptachlor	76-44-8	0.5	µg/L		<0.5	<0.5	----	----	----
Aldrin	309-00-2	0.5	µg/L		<0.5	<0.5	----	----	----
Heptachlor epoxide	1024-57-3	0.5	µg/L		<0.5	<0.5	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L		<0.5	<0.5	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L		<0.5	<0.5	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L		<0.5	<0.5	----	----	----
Dieldrin	60-57-1	0.5	µg/L		<0.5	<0.5	----	----	----



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 1	Point 2	Point 3	Point 4	Point 5
Client sampling date / time					07-Jul-2015 10:10	07-Jul-2015 10:35	07-Jul-2015 10:15	07-Jul-2015 11:40	07-Jul-2015 11:48
Compound	CAS Number	LOR	Unit	EW1510811-001	EW1510811-002	EW1510811-003	EW1510811-004	EW1510811-005	
				Result	Result	Result	Result	Result	
EP068A: Organochlorine Pesticides (OC) - Continued									
4.4'-DDE	72-55-9	0.5	µg/L	<0.5	<0.5	----	----	----	
Endrin	72-20-8	0.5	µg/L	<0.5	<0.5	----	----	----	
beta-Endosulfan	33213-65-9	0.5	µg/L	<0.5	<0.5	----	----	----	
4.4'-DDD	72-54-8	0.5	µg/L	<0.5	<0.5	----	----	----	
Endrin aldehyde	7421-93-4	0.5	µg/L	<0.5	<0.5	----	----	----	
Endosulfan sulfate	1031-07-8	0.5	µg/L	<0.5	<0.5	----	----	----	
4.4'-DDT	50-29-3	2	µg/L	<2.0	<2.0	----	----	----	
Endrin ketone	53494-70-5	0.5	µg/L	<0.5	<0.5	----	----	----	
Methoxychlor	72-43-5	2	µg/L	<2.0	<2.0	----	----	----	
^ Total Chlordane (sum)	----	0.5	µg/L	<0.5	<0.5	----	----	----	
^ Sum of DDD + DDE + DDT	----	0.5	µg/L	<0.5	<0.5	----	----	----	
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.5	µg/L	<0.5	<0.5	----	----	----	
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L	<0.5	<0.5	----	----	----	
Demeton-S-methyl	919-86-8	0.5	µg/L	<0.5	<0.5	----	----	----	
Monocrotophos	6923-22-4	2	µg/L	<2.0	<2.0	----	----	----	
Dimethoate	60-51-5	0.5	µg/L	<0.5	<0.5	----	----	----	
Diazinon	333-41-5	0.5	µg/L	<0.5	<0.5	----	----	----	
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	<0.5	<0.5	----	----	----	
Parathion-methyl	298-00-0	2	µg/L	<2.0	<2.0	----	----	----	
Malathion	121-75-5	0.5	µg/L	<0.5	<0.5	----	----	----	
Fenthion	55-38-9	0.5	µg/L	<0.5	<0.5	----	----	----	
Chlorpyrifos	2921-88-2	0.5	µg/L	<0.5	<0.5	----	----	----	
Parathion	56-38-2	2	µg/L	<2.0	<2.0	----	----	----	
Pirimphos-ethyl	23505-41-1	0.5	µg/L	<0.5	<0.5	----	----	----	
Chlorfenvinphos	470-90-6	0.5	µg/L	<0.5	<0.5	----	----	----	
Bromophos-ethyl	4824-78-6	0.5	µg/L	<0.5	<0.5	----	----	----	
Fenamiphos	22224-92-6	0.5	µg/L	<0.5	<0.5	----	----	----	
Prothiofos	34643-46-4	0.5	µg/L	<0.5	<0.5	----	----	----	
Ethion	563-12-2	0.5	µg/L	<0.5	<0.5	----	----	----	
Carbophenothion	786-19-6	0.5	µg/L	<0.5	<0.5	----	----	----	
Azinphos Methyl	86-50-0	0.5	µg/L	<0.5	<0.5	----	----	----	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1	µg/L	<1.0	<1.0	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 1	Point 2	Point 3	Point 4	Point 5
Client sampling date / time					07-Jul-2015 10:10	07-Jul-2015 10:35	07-Jul-2015 10:15	07-Jul-2015 11:40	07-Jul-2015 11:48
Compound	CAS Number	LOR	Unit	EW1510811-001	EW1510811-002	EW1510811-003	EW1510811-004	EW1510811-005	
				Result	Result	Result	Result	Result	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Acenaphthylene	208-96-8	1	µg/L	<1.0	<1.0	----	----	----	
Acenaphthene	83-32-9	1	µg/L	<1.0	<1.0	----	----	----	
Fluorene	86-73-7	1	µg/L	<1.0	<1.0	----	----	----	
Phenanthrene	85-01-8	1	µg/L	<1.0	<1.0	----	----	----	
Anthracene	120-12-7	1	µg/L	<1.0	<1.0	----	----	----	
Fluoranthene	206-44-0	1	µg/L	<1.0	<1.0	----	----	----	
Pyrene	129-00-0	1	µg/L	<1.0	<1.0	----	----	----	
Benz(a)anthracene	56-55-3	1	µg/L	<1.0	<1.0	----	----	----	
Chrysene	218-01-9	1	µg/L	<1.0	<1.0	----	----	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	<1.0	<1.0	----	----	----	
Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	<1.0	----	----	----	
Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	<0.5	----	----	----	
Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	<1.0	<1.0	----	----	----	
Dibenz(a.h)anthracene	53-70-3	1	µg/L	<1.0	<1.0	----	----	----	
Benzo(g,h,i)perylene	191-24-2	1	µg/L	<1.0	<1.0	----	----	----	
[^] Sum of polycyclic aromatic hydrocarbons	----	0.5	µg/L	<0.5	<0.5	----	----	----	
[^] Benzo(a)pyrene TEQ (zero)	----	0.5	µg/L	<0.5	<0.5	----	----	----	
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L	<20	<20	----	----	----	
C10 - C14 Fraction	----	50	µg/L	<50	<50	----	----	----	
C15 - C28 Fraction	----	100	µg/L	<100	<100	----	----	----	
C29 - C36 Fraction	----	50	µg/L	<50	<50	----	----	----	
[^] C10 - C36 Fraction (sum)	----	50	µg/L	<50	<50	----	----	----	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	----	----	----	
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	20	µg/L	<20	<20	----	----	----	
>C10 - C16 Fraction	>C10_C16	100	µg/L	<100	<100	----	----	----	
>C16 - C34 Fraction	----	100	µg/L	<100	<100	----	----	----	
>C34 - C40 Fraction	----	100	µg/L	<100	<100	----	----	----	
[^] >C10 - C40 Fraction (sum)	----	100	µg/L	<100	<100	----	----	----	
[^] >C10 - C16 Fraction minus Naphthalene (F2)	----	100	µg/L	<100	<100	----	----	----	
EP080: BTEXN									
Benzene	71-43-2	1	µg/L	<1	<1	----	----	----	



Analytical Results

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Client sampling date / time					07-Jul-2015 10:10	07-Jul-2015 10:35	07-Jul-2015 10:15	07-Jul-2015 11:40	07-Jul-2015 11:48
Compound	CAS Number	LOR	Unit	EW1510811-001	EW1510811-002	EW1510811-003	EW1510811-004	EW1510811-005	
				Result	Result	Result	Result	Result	
EP080: BTEXN - Continued									
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	----	----	----	
ortho-Xylene	95-47-6	2	µg/L	<2	<2	----	----	----	
[^] Total Xylenes	1330-20-7	2	µg/L	<2	<2	----	----	----	
[^] Sum of BTEX	----	1	µg/L	<1	<1	----	----	----	
Naphthalene	91-20-3	5	µg/L	<5	<5	----	----	----	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	1.30	4.06	----	----	----	
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%	73.4	85.3	----	----	----	
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%	84.1	100	----	----	----	
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1	%	32.7	33.0	----	----	----	
2-Chlorophenol-D4	93951-73-6	1	%	51.2	54.9	----	----	----	
2,4,6-Tribromophenol	118-79-6	1	%	60.3	72.4	----	----	----	
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1	%	54.8	62.6	----	----	----	
Anthracene-d10	1719-06-8	1	%	70.7	82.6	----	----	----	
4-Terphenyl-d14	1718-51-0	1	%	80.2	91.0	----	----	----	
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	2	%	96.6	93.2	----	----	----	
Toluene-D8	2037-26-5	2	%	90.9	93.4	----	----	----	
4-Bromofluorobenzene	460-00-4	2	%	95.3	97.1	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 6	Point 7	Point 8	Point 9	Point 10
Client sampling date / time				07-Jul-2015 11:45	07-Jul-2015 11:50	07-Jul-2015 11:55	07-Jul-2015 09:45	07-Jul-2015 10:00	
Compound	CAS Number	LOR	Unit	EW1510811-006	EW1510811-007	EW1510811-008	EW1510811-009	EW1510811-010	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	----	----	----	----	8.6	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	----	----	----	----	1660	
EA015: Total Dissolved Solids									
^ Total Dissolved Solids @180°C	----	10	mg/L	----	----	----	----	----	
EA025: Suspended Solids									
^ Suspended Solids (SS)	----	5	mg/L	----	----	----	----	16	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	----	----	----	----	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	----	----	----	----	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	----	----	----	----	----	
Total Alkalinity as CaCO3	----	1	mg/L	----	----	----	----	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	----	----	----	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	----	----	----	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	----	----	----	----	
Magnesium	7439-95-4	1	mg/L	----	----	----	----	----	
Sodium	7440-23-5	1	mg/L	----	----	----	----	----	
Potassium	7440-09-7	1	mg/L	----	----	----	----	----	
EG020T: Total Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L	----	----	----	----	----	
Cadmium	7440-43-9	0.0001	mg/L	----	----	----	----	----	
Chromium	7440-47-3	0.001	mg/L	----	----	----	----	----	
Nickel	7440-02-0	0.001	mg/L	----	----	----	----	----	
Lead	7439-92-1	0.001	mg/L	----	----	----	----	----	
Zinc	7440-66-6	0.005	mg/L	----	----	----	----	----	
Iron	7439-89-6	0.05	mg/L	----	----	----	----	----	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L	----	----	----	----	----	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 6	Point 7	Point 8	Point 9	Point 10
Client sampling date / time					07-Jul-2015 11:45	07-Jul-2015 11:50	07-Jul-2015 11:55	07-Jul-2015 09:45	07-Jul-2015 10:00
Compound	CAS Number	LOR	Unit		EW1510811-006	EW1510811-007	EW1510811-008	EW1510811-009	EW1510811-010
					Result	Result	Result	Result	Result
EK040P: Fluoride by PC Titrator - Continued									
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L		----	----	----	----	<0.01
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L		----	----	----	----	----
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L		----	----	----	----	----
EN055: Ionic Balance									
^ Total Anions	----	0.01	meq/L		----	----	----	----	----
^ Total Cations	----	0.01	meq/L		----	----	----	----	----
^ Ionic Balance	----	0.01	%		----	----	----	----	----
EN67 PK: Field Tests									
Field Observations	----	0.01	--		NOT FOUND	DRY	DRY	NOT FOUND	----
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L		----	----	----	----	----
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L		----	----	----	----	14.6
EP030: Biochemical Oxygen Demand (BOD)									
Biochemical Oxygen Demand	----	2	mg/L		----	----	----	----	5
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L		----	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L		----	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L		----	----	----	----	----
beta-BHC	319-85-7	0.5	µg/L		----	----	----	----	----
gamma-BHC	58-89-9	0.5	µg/L		----	----	----	----	----
delta-BHC	319-86-8	0.5	µg/L		----	----	----	----	----
Heptachlor	76-44-8	0.5	µg/L		----	----	----	----	----
Aldrin	309-00-2	0.5	µg/L		----	----	----	----	----
Heptachlor epoxide	1024-57-3	0.5	µg/L		----	----	----	----	----
trans-Chlordane	5103-74-2	0.5	µg/L		----	----	----	----	----
alpha-Endosulfan	959-98-8	0.5	µg/L		----	----	----	----	----
cis-Chlordane	5103-71-9	0.5	µg/L		----	----	----	----	----
Dieldrin	60-57-1	0.5	µg/L		----	----	----	----	----



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 6	Point 7	Point 8	Point 9	Point 10
Client sampling date / time					07-Jul-2015 11:45	07-Jul-2015 11:50	07-Jul-2015 11:55	07-Jul-2015 09:45	07-Jul-2015 10:00
Compound	CAS Number	LOR	Unit		EW1510811-006	EW1510811-007	EW1510811-008	EW1510811-009	EW1510811-010
					Result	Result	Result	Result	Result
EP068A: Organochlorine Pesticides (OC) - Continued									
4,4'-DDE	72-55-9	0.5	µg/L		----	----	----	----	----
Endrin	72-20-8	0.5	µg/L		----	----	----	----	----
beta-Endosulfan	33213-65-9	0.5	µg/L		----	----	----	----	----
4,4'-DDD	72-54-8	0.5	µg/L		----	----	----	----	----
Endrin aldehyde	7421-93-4	0.5	µg/L		----	----	----	----	----
Endosulfan sulfate	1031-07-8	0.5	µg/L		----	----	----	----	----
4,4'-DDT	50-29-3	2	µg/L		----	----	----	----	----
Endrin ketone	53494-70-5	0.5	µg/L		----	----	----	----	----
Methoxychlor	72-43-5	2	µg/L		----	----	----	----	----
^ Total Chlordane (sum)	----	0.5	µg/L		----	----	----	----	----
^ Sum of DDD + DDE + DDT	----	0.5	µg/L		----	----	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.5	µg/L		----	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L		----	----	----	----	----
Demeton-S-methyl	919-86-8	0.5	µg/L		----	----	----	----	----
Monocrotophos	6923-22-4	2	µg/L		----	----	----	----	----
Dimethoate	60-51-5	0.5	µg/L		----	----	----	----	----
Diazinon	333-41-5	0.5	µg/L		----	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L		----	----	----	----	----
Parathion-methyl	298-00-0	2	µg/L		----	----	----	----	----
Malathion	121-75-5	0.5	µg/L		----	----	----	----	----
Fenthion	55-38-9	0.5	µg/L		----	----	----	----	----
Chlorpyrifos	2921-88-2	0.5	µg/L		----	----	----	----	----
Parathion	56-38-2	2	µg/L		----	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.5	µg/L		----	----	----	----	----
Chlorfenvinphos	470-90-6	0.5	µg/L		----	----	----	----	----
Bromophos-ethyl	4824-78-6	0.5	µg/L		----	----	----	----	----
Fenamiphos	22224-92-6	0.5	µg/L		----	----	----	----	----
Prothiofos	34643-46-4	0.5	µg/L		----	----	----	----	----
Ethion	563-12-2	0.5	µg/L		----	----	----	----	----
Carbophenothion	786-19-6	0.5	µg/L		----	----	----	----	----
Azinphos Methyl	86-50-0	0.5	µg/L		----	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1	µg/L		----	----	----	----	----



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 6	Point 7	Point 8	Point 9	Point 10
Client sampling date / time					07-Jul-2015 11:45	07-Jul-2015 11:50	07-Jul-2015 11:55	07-Jul-2015 09:45	07-Jul-2015 10:00
Compound	CAS Number	LOR	Unit		EW1510811-006	EW1510811-007	EW1510811-008	EW1510811-009	EW1510811-010
					Result	Result	Result	Result	Result
EP080: BTEXN - Continued									
Toluene	108-88-3	2	µg/L		----	----	----	----	----
Ethylbenzene	100-41-4	2	µg/L		----	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		----	----	----	----	----
ortho-Xylene	95-47-6	2	µg/L		----	----	----	----	----
[^] Total Xylenes	1330-20-7	2	µg/L		----	----	----	----	----
[^] Sum of BTEX	----	1	µg/L		----	----	----	----	----
Naphthalene	91-20-3	5	µg/L		----	----	----	----	----
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m		----	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%		----	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%		----	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1	%		----	----	----	----	----
2-Chlorophenol-D4	93951-73-6	1	%		----	----	----	----	----
2,4,6-Tribromophenol	118-79-6	1	%		----	----	----	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1	%		----	----	----	----	----
Anthracene-d10	1719-06-8	1	%		----	----	----	----	----
4-Terphenyl-d14	1718-51-0	1	%		----	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	2	%		----	----	----	----	----
Toluene-D8	2037-26-5	2	%		----	----	----	----	----
4-Bromofluorobenzene	460-00-4	2	%		----	----	----	----	----



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 11	Point 12	Point 13	Point 14	Point 15
Client sampling date / time				07-Jul-2015 12:10	07-Jul-2015 12:05	07-Jul-2015 11:45	07-Jul-2015 10:30	07-Jul-2015 10:20	
Compound	CAS Number	LOR	Unit	EW1510811-011	EW1510811-012	EW1510811-013	EW1510811-014	EW1510811-015	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	7.4	7.8	----	8.1	8.3	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	96	2050	----	1950	1490	
EA015: Total Dissolved Solids									
^ Total Dissolved Solids @180°C	----	10	mg/L	----	----	----	----	----	
EA025: Suspended Solids									
^ Suspended Solids (SS)	----	5	mg/L	16	<5	----	<5	<5	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	----	----	----	----	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	----	----	----	----	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	----	----	----	----	----	
Total Alkalinity as CaCO3	----	1	mg/L	----	----	----	----	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	----	----	----	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	----	----	----	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	----	----	----	----	
Magnesium	7439-95-4	1	mg/L	----	----	----	----	----	
Sodium	7440-23-5	1	mg/L	----	----	----	----	----	
Potassium	7440-09-7	1	mg/L	----	----	----	----	----	
EG020T: Total Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L	----	----	----	----	----	
Cadmium	7440-43-9	0.0001	mg/L	----	----	----	----	----	
Chromium	7440-47-3	0.001	mg/L	----	----	----	----	----	
Nickel	7440-02-0	0.001	mg/L	----	----	----	----	----	
Lead	7439-92-1	0.001	mg/L	----	----	----	----	----	
Zinc	7440-66-6	0.005	mg/L	----	----	----	----	----	
Iron	7439-89-6	0.05	mg/L	----	----	----	----	----	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L	----	----	----	----	----	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 11	Point 12	Point 13	Point 14	Point 15
Client sampling date / time				07-Jul-2015 12:10	07-Jul-2015 12:05	07-Jul-2015 11:45	07-Jul-2015 10:30	07-Jul-2015 10:20	
Compound	CAS Number	LOR	Unit	EW1510811-011	EW1510811-012	EW1510811-013	EW1510811-014	EW1510811-015	
				Result	Result	Result	Result	Result	
EK040P: Fluoride by PC Titrator - Continued									
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.04	----	0.02	0.06	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	----	----	----	----	----	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	----	----	----	----	----	
EN055: Ionic Balance									
^ Total Anions	----	0.01	meq/L	----	----	----	----	----	
^ Total Cations	----	0.01	meq/L	----	----	----	----	----	
^ Ionic Balance	----	0.01	%	----	----	----	----	----	
EN67 PK: Field Tests									
Field Observations	----	0.01	--	----	----	DRY	----	----	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	----	----	----	----	----	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	10.1	7.89	----	11.4	13.3	
EP030: Biochemical Oxygen Demand (BOD)									
Biochemical Oxygen Demand	----	2	mg/L	<2	<2	----	<2	3	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	----	----	----	----	----	
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L	----	----	----	----	----	
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	----	----	----	----	----	
beta-BHC	319-85-7	0.5	µg/L	----	----	----	----	----	
gamma-BHC	58-89-9	0.5	µg/L	----	----	----	----	----	
delta-BHC	319-86-8	0.5	µg/L	----	----	----	----	----	
Heptachlor	76-44-8	0.5	µg/L	----	----	----	----	----	
Aldrin	309-00-2	0.5	µg/L	----	----	----	----	----	
Heptachlor epoxide	1024-57-3	0.5	µg/L	----	----	----	----	----	
trans-Chlordane	5103-74-2	0.5	µg/L	----	----	----	----	----	
alpha-Endosulfan	959-98-8	0.5	µg/L	----	----	----	----	----	
cis-Chlordane	5103-71-9	0.5	µg/L	----	----	----	----	----	
Dieldrin	60-57-1	0.5	µg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 11	Point 12	Point 13	Point 14	Point 15
Client sampling date / time					07-Jul-2015 12:10	07-Jul-2015 12:05	07-Jul-2015 11:45	07-Jul-2015 10:30	07-Jul-2015 10:20
Compound	CAS Number	LOR	Unit	EW1510811-011	EW1510811-012	EW1510811-013	EW1510811-014	EW1510811-015	
				Result	Result	Result	Result	Result	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Acenaphthylene	208-96-8	1	µg/L	----	----	----	----	----	
Acenaphthene	83-32-9	1	µg/L	----	----	----	----	----	
Fluorene	86-73-7	1	µg/L	----	----	----	----	----	
Phenanthrene	85-01-8	1	µg/L	----	----	----	----	----	
Anthracene	120-12-7	1	µg/L	----	----	----	----	----	
Fluoranthene	206-44-0	1	µg/L	----	----	----	----	----	
Pyrene	129-00-0	1	µg/L	----	----	----	----	----	
Benz(a)anthracene	56-55-3	1	µg/L	----	----	----	----	----	
Chrysene	218-01-9	1	µg/L	----	----	----	----	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	----	----	----	----	----	
Benzo(k)fluoranthene	207-08-9	1	µg/L	----	----	----	----	----	
Benzo(a)pyrene	50-32-8	0.5	µg/L	----	----	----	----	----	
Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	----	----	----	----	----	
Dibenz(a.h)anthracene	53-70-3	1	µg/L	----	----	----	----	----	
Benzo(g,h,i)perylene	191-24-2	1	µg/L	----	----	----	----	----	
[^] Sum of polycyclic aromatic hydrocarbons	----	0.5	µg/L	----	----	----	----	----	
[^] Benzo(a)pyrene TEQ (zero)	----	0.5	µg/L	----	----	----	----	----	
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L	----	----	----	----	----	
C10 - C14 Fraction	----	50	µg/L	----	----	----	----	----	
C15 - C28 Fraction	----	100	µg/L	----	----	----	----	----	
C29 - C36 Fraction	----	50	µg/L	----	----	----	----	----	
[^] C10 - C36 Fraction (sum)	----	50	µg/L	----	----	----	----	----	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	20	µg/L	----	----	----	----	----	
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	20	µg/L	----	----	----	----	----	
>C10 - C16 Fraction	>C10_C16	100	µg/L	----	----	----	----	----	
>C16 - C34 Fraction	----	100	µg/L	----	----	----	----	----	
>C34 - C40 Fraction	----	100	µg/L	----	----	----	----	----	
[^] >C10 - C40 Fraction (sum)	----	100	µg/L	----	----	----	----	----	
[^] >C10 - C16 Fraction minus Naphthalene (F2)	----	100	µg/L	----	----	----	----	----	
EP080: BTEXN									
Benzene	71-43-2	1	µg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 16	Point 17	----	----	----
Client sampling date / time				07-Jul-2015 10:55	07-Jul-2015 11:15	----	----	----	
Compound	CAS Number	LOR	Unit	EW1510811-016	EW1510811-017	-----	-----	-----	
				Result	Result	Result	Result	Result	
EA005FD: Field pH									
pH	----	0.1	pH Unit	8.0	8.2	----	----	----	
EA010FD: Field Conductivity									
Electrical Conductivity (Non Compensated)	----	1	µS/cm	436	467	----	----	----	
EA015: Total Dissolved Solids									
^ Total Dissolved Solids @180°C	----	10	mg/L	----	----	----	----	----	
EA025: Suspended Solids									
^ Suspended Solids (SS)	----	5	mg/L	<5	<5	----	----	----	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	----	----	----	----	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	----	----	----	----	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	----	----	----	----	----	
Total Alkalinity as CaCO3	----	1	mg/L	----	----	----	----	----	
ED041G: Sulfate (Turbidimetric) as SO4 2- by DA									
Sulfate as SO4 - Turbidimetric	14808-79-8	1	mg/L	----	----	----	----	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	----	----	----	----	----	
ED093F: Dissolved Major Cations									
Calcium	7440-70-2	1	mg/L	----	----	----	----	----	
Magnesium	7439-95-4	1	mg/L	----	----	----	----	----	
Sodium	7440-23-5	1	mg/L	----	----	----	----	----	
Potassium	7440-09-7	1	mg/L	----	----	----	----	----	
EG020T: Total Metals by ICP-MS									
Arsenic	7440-38-2	0.001	mg/L	----	----	----	----	----	
Cadmium	7440-43-9	0.0001	mg/L	----	----	----	----	----	
Chromium	7440-47-3	0.001	mg/L	----	----	----	----	----	
Nickel	7440-02-0	0.001	mg/L	----	----	----	----	----	
Lead	7439-92-1	0.001	mg/L	----	----	----	----	----	
Zinc	7440-66-6	0.005	mg/L	----	----	----	----	----	
Iron	7439-89-6	0.05	mg/L	----	----	----	----	----	
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.0001	mg/L	----	----	----	----	----	
EK040P: Fluoride by PC Titrator									
Fluoride	16984-48-8	0.1	mg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 16	Point 17	----	----	----
Client sampling date / time				07-Jul-2015 10:55	07-Jul-2015 11:15	----	----	----	
Compound	CAS Number	LOR	Unit	EW1510811-016	EW1510811-017	-----	-----	-----	
				Result	Result	Result	Result	Result	
EK040P: Fluoride by PC Titrator - Continued									
EK055G: Ammonia as N by Discrete Analyser									
Ammonia as N	7664-41-7	0.01	mg/L	0.05	<0.01	----	----	----	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	----	----	----	----	----	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	----	----	----	----	----	
EN055: Ionic Balance									
^ Total Anions	----	0.01	meq/L	----	----	----	----	----	
^ Total Cations	----	0.01	meq/L	----	----	----	----	----	
^ Ionic Balance	----	0.01	%	----	----	----	----	----	
EN67 PK: Field Tests									
Field Observations	----	0.01	--	----	----	----	----	----	
EP005: Total Organic Carbon (TOC)									
Total Organic Carbon	----	1	mg/L	----	----	----	----	----	
EP025FD: Field Dissolved Oxygen									
Dissolved Oxygen	----	0.01	mg/L	11.6	11.7	----	----	----	
EP030: Biochemical Oxygen Demand (BOD)									
Biochemical Oxygen Demand	----	2	mg/L	<2	<2	----	----	----	
EP035G: Total Phenol by Discrete Analyser									
Phenols (Total)	----	0.05	mg/L	----	----	----	----	----	
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.5	µg/L	----	----	----	----	----	
Hexachlorobenzene (HCB)	118-74-1	0.5	µg/L	----	----	----	----	----	
beta-BHC	319-85-7	0.5	µg/L	----	----	----	----	----	
gamma-BHC	58-89-9	0.5	µg/L	----	----	----	----	----	
delta-BHC	319-86-8	0.5	µg/L	----	----	----	----	----	
Heptachlor	76-44-8	0.5	µg/L	----	----	----	----	----	
Aldrin	309-00-2	0.5	µg/L	----	----	----	----	----	
Heptachlor epoxide	1024-57-3	0.5	µg/L	----	----	----	----	----	
trans-Chlordane	5103-74-2	0.5	µg/L	----	----	----	----	----	
alpha-Endosulfan	959-98-8	0.5	µg/L	----	----	----	----	----	
cis-Chlordane	5103-71-9	0.5	µg/L	----	----	----	----	----	
Dieldrin	60-57-1	0.5	µg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 16	Point 17	----	----	----
Client sampling date / time					07-Jul-2015 10:55	07-Jul-2015 11:15	----	----	----
Compound	CAS Number	LOR	Unit	EW1510811-016	EW1510811-017	-----	-----	-----	
				Result	Result	Result	Result	Result	
EP068A: Organochlorine Pesticides (OC) - Continued									
4.4'-DDE	72-55-9	0.5	µg/L	----	----	----	----	----	
Endrin	72-20-8	0.5	µg/L	----	----	----	----	----	
beta-Endosulfan	33213-65-9	0.5	µg/L	----	----	----	----	----	
4.4'-DDD	72-54-8	0.5	µg/L	----	----	----	----	----	
Endrin aldehyde	7421-93-4	0.5	µg/L	----	----	----	----	----	
Endosulfan sulfate	1031-07-8	0.5	µg/L	----	----	----	----	----	
4.4'-DDT	50-29-3	2	µg/L	----	----	----	----	----	
Endrin ketone	53494-70-5	0.5	µg/L	----	----	----	----	----	
Methoxychlor	72-43-5	2	µg/L	----	----	----	----	----	
^ Total Chlordane (sum)	----	0.5	µg/L	----	----	----	----	----	
^ Sum of DDD + DDE + DDT	----	0.5	µg/L	----	----	----	----	----	
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.5	µg/L	----	----	----	----	----	
EP068B: Organophosphorus Pesticides (OP)									
Dichlorvos	62-73-7	0.5	µg/L	----	----	----	----	----	
Demeton-S-methyl	919-86-8	0.5	µg/L	----	----	----	----	----	
Monocrotophos	6923-22-4	2	µg/L	----	----	----	----	----	
Dimethoate	60-51-5	0.5	µg/L	----	----	----	----	----	
Diazinon	333-41-5	0.5	µg/L	----	----	----	----	----	
Chlorpyrifos-methyl	5598-13-0	0.5	µg/L	----	----	----	----	----	
Parathion-methyl	298-00-0	2	µg/L	----	----	----	----	----	
Malathion	121-75-5	0.5	µg/L	----	----	----	----	----	
Fenthion	55-38-9	0.5	µg/L	----	----	----	----	----	
Chlorpyrifos	2921-88-2	0.5	µg/L	----	----	----	----	----	
Parathion	56-38-2	2	µg/L	----	----	----	----	----	
Pirimphos-ethyl	23505-41-1	0.5	µg/L	----	----	----	----	----	
Chlorfenvinphos	470-90-6	0.5	µg/L	----	----	----	----	----	
Bromophos-ethyl	4824-78-6	0.5	µg/L	----	----	----	----	----	
Fenamiphos	22224-92-6	0.5	µg/L	----	----	----	----	----	
Prothiofos	34643-46-4	0.5	µg/L	----	----	----	----	----	
Ethion	563-12-2	0.5	µg/L	----	----	----	----	----	
Carbophenothion	786-19-6	0.5	µg/L	----	----	----	----	----	
Azinphos Methyl	86-50-0	0.5	µg/L	----	----	----	----	----	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1	µg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 16	Point 17	----	----	----
Client sampling date / time					07-Jul-2015 10:55	07-Jul-2015 11:15	----	----	----
Compound	CAS Number	LOR	Unit	EW1510811-016	EW1510811-017	-----	-----	-----	
				Result	Result	Result	Result	Result	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
Acenaphthylene	208-96-8	1	µg/L	----	----	----	----	----	
Acenaphthene	83-32-9	1	µg/L	----	----	----	----	----	
Fluorene	86-73-7	1	µg/L	----	----	----	----	----	
Phenanthrene	85-01-8	1	µg/L	----	----	----	----	----	
Anthracene	120-12-7	1	µg/L	----	----	----	----	----	
Fluoranthene	206-44-0	1	µg/L	----	----	----	----	----	
Pyrene	129-00-0	1	µg/L	----	----	----	----	----	
Benzo(a)anthracene	56-55-3	1	µg/L	----	----	----	----	----	
Chrysene	218-01-9	1	µg/L	----	----	----	----	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	----	----	----	----	----	
Benzo(k)fluoranthene	207-08-9	1	µg/L	----	----	----	----	----	
Benzo(a)pyrene	50-32-8	0.5	µg/L	----	----	----	----	----	
Indeno(1.2.3.cd)pyrene	193-39-5	1	µg/L	----	----	----	----	----	
Dibenz(a.h)anthracene	53-70-3	1	µg/L	----	----	----	----	----	
Benzo(g,h,i)perylene	191-24-2	1	µg/L	----	----	----	----	----	
[^] Sum of polycyclic aromatic hydrocarbons	----	0.5	µg/L	----	----	----	----	----	
[^] Benzo(a)pyrene TEQ (zero)	----	0.5	µg/L	----	----	----	----	----	
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	20	µg/L	----	----	----	----	----	
C10 - C14 Fraction	----	50	µg/L	----	----	----	----	----	
C15 - C28 Fraction	----	100	µg/L	----	----	----	----	----	
C29 - C36 Fraction	----	50	µg/L	----	----	----	----	----	
[^] C10 - C36 Fraction (sum)	----	50	µg/L	----	----	----	----	----	
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	20	µg/L	----	----	----	----	----	
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	20	µg/L	----	----	----	----	----	
>C10 - C16 Fraction	>C10_C16	100	µg/L	----	----	----	----	----	
>C16 - C34 Fraction	----	100	µg/L	----	----	----	----	----	
>C34 - C40 Fraction	----	100	µg/L	----	----	----	----	----	
[^] >C10 - C40 Fraction (sum)	----	100	µg/L	----	----	----	----	----	
[^] >C10 - C16 Fraction minus Naphthalene (F2)	----	100	µg/L	----	----	----	----	----	
EP080: BTEXN									
Benzene	71-43-2	1	µg/L	----	----	----	----	----	



Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Client sample ID	Point 16	Point 17	----	----	----
Client sampling date / time				07-Jul-2015 10:55	07-Jul-2015 11:15	----	----	----	
Compound	CAS Number	LOR	Unit	EW1510811-016	EW1510811-017	-----	-----	-----	
				Result	Result	Result	Result	Result	
EP080: BTEXN - Continued									
Toluene	108-88-3	2	µg/L	----	----	----	----	----	
Ethylbenzene	100-41-4	2	µg/L	----	----	----	----	----	
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	----	----	----	----	----	
ortho-Xylene	95-47-6	2	µg/L	----	----	----	----	----	
[^] Total Xylenes	1330-20-7	2	µg/L	----	----	----	----	----	
[^] Sum of BTEX	----	1	µg/L	----	----	----	----	----	
Naphthalene	91-20-3	5	µg/L	----	----	----	----	----	
FWI-EN/001: Groundwater Sampling - Depth									
Depth	----	0.01	m	----	----	----	----	----	
EP068S: Organochlorine Pesticide Surrogate									
Dibromo-DDE	21655-73-2	0.5	%	----	----	----	----	----	
EP068T: Organophosphorus Pesticide Surrogate									
DEF	78-48-8	0.5	%	----	----	----	----	----	
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	1	%	----	----	----	----	----	
2-Chlorophenol-D4	93951-73-6	1	%	----	----	----	----	----	
2,4,6-Tribromophenol	118-79-6	1	%	----	----	----	----	----	
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	1	%	----	----	----	----	----	
Anthracene-d10	1719-06-8	1	%	----	----	----	----	----	
4-Terphenyl-d14	1718-51-0	1	%	----	----	----	----	----	
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	2	%	----	----	----	----	----	
Toluene-D8	2037-26-5	2	%	----	----	----	----	----	
4-Bromofluorobenzene	460-00-4	2	%	----	----	----	----	----	