METRO Environmental Laboratory

WORK GROUP REPORT (wk02)

Jul 12 2002, 08:03 am

Work Group: WG63192 (%lipids) for Department: 7 - Organics, Trace

Created: 12-JUL-02 Due: Operator: lm

Sample	Project Number	Project Description	PKey	C	Product	Matrix	Stat	UA	Workdate	Duedate
L24060-13	423457	North Outfall Siting Study	S		PERCENT LIPIDS	SHELLFISH	WKGP	U	07-JUL-02	06-AUG-02
L24060-17	423457	North Outfall Siting Study	S		PERCENT LIPIDS	SHELLFISH	WKGP	U	07-JUL-02	06-AUG-02
WG63192-1	MB		S		PERCENT LIPIDS	OTHR TISS	WKGP	U	12-JUL-02	
WG63192-2	LD		S		PERCENT LIPIDS	SHELLFISH	WKGP	U	12-JUL-02	

Comments:

L24060-13	Zone 7S, sample 1, edible tissue
L24060-17	Zone 7S, sample 3, edible tissue
WG63192-1	WG071102
WG63192-2	L24060-13

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 08/01/02 01:30
Run ID: R83562 Workgroup: WG63192 (%lipids)

Kab 9/9/02 AM 8/1/02 m

MB:WG63192-1 Matrix: OTHR TISS Listtype: ORLIPIDS Method: (07-03-010-001) Project: PKey: STD

Parameter	Mdl	Rdl	Units	MB Value	Qual
Percent Lipids	.05	.1	%	0	B

6/9/02
per Mike Doubrava. this is a LIMS quirk & does not indicate lab contamination. No results to be qualified.
Kab

LD:WG63192-2 L24060-13 Matrix: SHELLFISH Listtype: ORLIPIDS Method: (07-03-010-001) Project: 423457 PKey: STD

Parameter	Mdl	Rdl	Units	SampValue	Truevalue	LD Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Percent Lipids	.05	.1	%	.21		.23				9		100

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 08/01/02 01:30 - Data Source: ELD

Parameter: Percent Lipids

List Type: ORLIPIDS
Run ID: R83562
Work Group: WG63192
Method Code: (07-03-010-001)

Col. Date	Anal.Date	Project	Matrix	Site	Locator	Sample#	Value	Units	Valq	Mdl	Rdl	Textvalue
08-MAY-02		423457	SHELLFISH	NORTH PUGET SOUND	GDK7S-1E	L24060-13	.21	%		.05	.1	
08-MAY-02		423457	SHELLFISH	NORTH PUGET SOUND	GDK7S-3E	L24060-17	.22	%		.05	.1	
			OTHR TISS	NONE	MB	WG63192-1	0	%		.05	.1	
			SHELLFISH	NONE	LD	WG63192-2	.23	%		.05	.1	

METRO Environmental Laboratory

WORK GROUP REPORT (wk02)

Jul 26 2002, 02:42 pm

Work Group: WG62685 (CS#267 clpestpcb) for Department: 7 - Organics, Trace

Created: 18-JUN-02 Due: Operator: GW/LM

Sample	Project Number	Project Description	PKey	C	Product	Matrix	Stat	UA	Workdate	Duedate
L24060-1	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-10	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
L24060-11	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
L24060-12	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
L24060-14	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-15	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-16	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-17	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-18	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-2	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-3	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-4	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-5	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-6	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	15-MAY-02	06-AUG-02
L24060-7	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
L24060-8	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
L24060-9	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	DONE	U	16-MAY-02	07-AUG-02
WG62685-1	MB			S	CLPESTPCB	OTHR TISS	DONE	U	18-JUN-02	
WG62685-2	SB			S	CLPESTPCB	OTHR TISS	DONE	U	18-JUN-02	
WG62685-3	MS			S	CLPESTPCB	SHELLFISH	DONE	U	18-JUN-02	
WG62685-4	MSD			S	CLPESTPCB	SHELLFISH	DONE	U	18-JUN-02	
WG62685-5	MS			S	CLPESTPCB	SHELLFISH	DONE	U	18-JUN-02	
WG62685-6	MSD			S	CLPESTPCB	SHELLFISH	DONE	U	18-JUN-02	
WG62685-8	LD			S	CLPESTPCB	SHELLFISH	DONE	U	18-JUN-02	

Comments:

L24060-1	Zone 7N, sample 1, edible tissue
L24060-10	Zone 6, sample 2, whole body
L24060-11	Zone 6, sample 3, edible tissue
L24060-12	Zone 6, sample 3, whole body
L24060-14	Zone 7S, sample 1, whole body
L24060-15	Zone 7S, sample 2, edible tissue
L24060-16	Zone 7S, sample 2, whole body
L24060-17	Zone 7S, sample 3, edible tissue
L24060-18	Zone 7S, sample 3, whole body
L24060-2	Zone 7N, sample 1, whole body
L24060-3	Zone 7N, sample 2, edible tissue
L24060-4	Zone 7N, sample 2, whole body
L24060-5	Zone 7N, sample 3, edible tissue
L24060-6	Zone 7N, sample 3, whole body
L24060-7	Zone 6, sample 1, edible tissue
L24060-8	Zone 6, sample 1, whole body
L24060-9	Zone 6, sample 2, edible tissue
WG62685-1	MB020618
WG62685-2	WG62685-1
WG62685-3	L24060-10 WHOLE
WG62685-4	WG62685-3 L24060-10 WHOLE
WG62685-5	L24060-11 EDIBLE
WG62685-6	WG62685-5 L24060-11 EDIBLE
WG62685-8	L24060-11 EDIBLE

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 07/17/02 03:29
Run ID: R83006 Workgroup: WG62685 (CS#001 clpestpcb)

Reb 9/9/02

MB:WG62685-1 Matrix: OTHR TISS Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: PKey: STD

Parameter	Mdl	Rdl	Units	MB Value	Qual
Alpha-BHC	1.3	2.67	ug/Kg	<MDL	
Beta-BHC	1.3	2.67	ug/Kg	<MDL	
Delta-BHC	1.3	2.67	ug/Kg	<MDL	
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	
Heptachlor	1.3	2.67	ug/Kg	<MDL	
Aldrin	1.3	2.67	ug/Kg	<MDL	
Heptachlor Epoxide	1.3	2.67	ug/Kg	<MDL	
Endosulfan I	1.3	2.67	ug/Kg	<MDL	
Dieldrin	1.3	2.67	ug/Kg	<MDL	
4,4'-DDE	1.3	2.67	ug/Kg	<MDL	
Endrin	1.3	2.67	ug/Kg	<MDL	
Endosulfan II	1.3	2.67	ug/Kg	<MDL	
4,4'-DDD	1.3	2.67	ug/Kg	<MDL	
Endrin Aldehyde	1.3	2.67	ug/Kg	<MDL	
Endosulfan Sulfate	1.3	2.67	ug/Kg	<MDL	
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	
Methoxychlor	6.7	13.3	ug/Kg	<MDL	
Chlordane	6.7	13.3	ug/Kg	<MDL	
Toxaphene	13	26.7	ug/Kg	<MDL	
Aroclor 1016	13	26.7	ug/Kg	<MDL	
Aroclor 1221	13	26.7	ug/Kg	<MDL	
Aroclor 1232	13	26.7	ug/Kg	<MDL	
Aroclor 1242	13	26.7	ug/Kg	<MDL	
Aroclor 1248	13	26.7	ug/Kg	<MDL	
Aroclor 1254	13	26.7	ug/Kg	<MDL	
Aroclor 1260	13	26.7	ug/Kg	<MDL	

SB:WG62685-2 MB:WG62685-1 Matrix: OTHR TISS Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: PKey: STD

Parameter	Mdl	Rdl	Units	MB Value	Truevalue	SB Value	% Rec.	Qual	Limits	Truevalue	Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	13.3333	11.8	88		56-123								
Heptachlor	1.3	2.67	ug/Kg	<MDL	13.3333	11.5	86		40-131								
Aldrin	1.3	2.67	ug/Kg	<MDL	13.3333	10.6	79		40-120								
Dieldrin	1.3	2.67	ug/Kg	<MDL	13.3333	12.9	97		52-126								
Endrin	1.3	2.67	ug/Kg	<MDL	13.3333	14.8	111		56-121								
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	13.3333	12.4	93		38-127								

MS:WG62685-3 MSD:WG62685-4 L24060-10 Matrix: SHELLFISH Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: 423457 PKey: STD

Parameter	Mdl	Rdl	Units	SampValue	Truevalue	MS Value	% Rec.	Qual	Limits	Truevalue	MSD Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	13.3333	13.2	99		56-123	13.3333	14	105		56-123	6		15
Heptachlor	1.3	2.67	ug/Kg	<MDL	13.3333	13.2	99		40-131	13.3333	13.9	104		40-131	5		20
Aldrin	1.3	2.67	ug/Kg	<MDL	13.3333	12.5	94		40-120	13.3333	13.1	98		40-120	4		22
Dieldrin	1.3	2.67	ug/Kg	<MDL	13.3333	13.4	100		52-126	13.3333	13.9	104		52-126	4		18
Endrin	1.3	2.67	ug/Kg	<MDL	13.3333	17.2	129	*	56-121	13.3333	17.1	128	*	56-121	1		21
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	13.3333	13.3	100		38-127	13.3333	14.1	106		38-127	6		27

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 07/17/02 03:30
Run ID: R83006 Workgroup: WG62685 (CS#001 clpestpcb)

MS:WG62685-5 MSD:WG62685-6 L24060-11 Matrix: SHELLFISH Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: 423457 PKey: STD

Parameter	Mdl	Rdl	Units	SampValue	Truevalue	MS Value	% Rec.	Qual	Limits	Truevalue	MSD Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	13.3333	14.6	109		56-123	13.3333	13.5	101		56-123	8		15
Heptachlor	1.3	2.67	ug/Kg	<MDL	13.3333	14.3	108		40-131	13.3333	13.6	102		40-131	6		20
Aldrin	1.3	2.67	ug/Kg	<MDL	13.3333	13.2	99		40-120	13.3333	12.7	95		40-120	4		22
Dieldrin	1.3	2.67	ug/Kg	<MDL	13.3333	14.4	108		52-126	13.3333	14	105		52-126	3		18
Endrin	1.3	2.67	ug/Kg	<MDL	13.3333	18.1	136	*	56-121	13.3333	18.3	137	*	56-121	1		21
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	13.3333	14.3	107		38-127	13.3333	13.7	102		38-127	5		27

LD:WG62685-8 L24060-11 Matrix: SHELLFISH Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: 423457 PKey: STD

Parameter	Mdl	Rdl	Units	SampValue	Truevalue	LD Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Alpha-BHC	1.3	2.67	ug/Kg	8.41		8.43				0		100
Beta-BHC	1.3	2.67	ug/Kg	<MDL		5.81				200	*	100
Delta-BHC	1.3	2.67	ug/Kg	<MDL		<MDL						100
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL		<MDL						100
Heptachlor	1.3	2.67	ug/Kg	<MDL		<MDL						100
Aldrin	1.3	2.67	ug/Kg	<MDL		<MDL						100
Heptachlor Epoxide	1.3	2.67	ug/Kg	<MDL		<MDL						100
Endosulfan I	1.3	2.67	ug/Kg	<MDL		<MDL						100
Dieldrin	1.3	2.67	ug/Kg	<MDL		<MDL						100
4,4'-DDE	1.3	2.67	ug/Kg	<MDL		<MDL						100
Endrin	1.3	2.67	ug/Kg	<MDL		<MDL						100
Endosulfan II	1.3	2.67	ug/Kg	<MDL		<MDL						100
4,4'-DDD	1.3	2.67	ug/Kg	<MDL		<MDL						100
Endrin Aldehyde	1.3	2.67	ug/Kg	<MDL		<MDL						100
Endosulfan Sulfate	1.3	2.67	ug/Kg	<MDL		<MDL						100
4,4'-DDT	1.3	2.67	ug/Kg	<MDL		<MDL						100
Methoxychlor	6.7	13.3	ug/Kg	<MDL		<MDL						100
Chlordane	6.7	13.3	ug/Kg	<MDL		<MDL						100
Toxaphene	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1016	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1221	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1232	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1242	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1248	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1254	13	26.7	ug/Kg	<MDL		<MDL						100
Aroclor 1260	13	26.7	ug/Kg	<MDL		<MDL						100

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 07/17/02 03:30
Run ID: R83006 Workgroup: WG62685 (CS#001 clpestpcb)

Sample #	2,4,5,6-Tetrachloro-m-xylene 50-150	Decachlorobiphenyl 50-150
L24060-1	76	67
L24060-10	5 *	56
L24060-11	5 *	65
L24060-12	87	85
L24060-14	26 *	57
L24060-15	92	81
L24060-16	79	79
L24060-17	92	88
L24060-18	107	106
L24060-2	104	89
L24060-3	68	72
L24060-4	27 *	80
L24060-5	9 *	56
L24060-6	6 *	55
L24060-7	6 *	60
L24060-8	6 *	56
L24060-9	5 *	56
WG62685-1	56	79
WG62685-2	69	85
WG62685-3	95	93
WG62685-4	91	98
WG62685-5	94	105
WG62685-6	90	99
WG62685-8	93	91

METRO Environmental Laboratory

WORK GROUP REPORT (wk02)

Jul 16 2002, 09:34 am

Work Group: WG63217 (PPS#259 clpestpcb) for Department: 7 - Organics, Trace

Created: 15-JUL-02 Due: Operator: GW

Sample	Project Number	Project Description	PKey	C	Product	Matrix	Stat	UA	Workdate	Duedate
L24060-13	423457	North Outfall Siting Study		S	CLPESTPCB	SHELLFISH	PREP	U	15-MAY-02	06-AUG-02
WG63217-1	MB			S	CLPESTPCB	OTHR SOLID	PREP	U	15-JUL-02	
WG63217-2	SB			S	CLPESTPCB	OTHR SOLID	PREP	U	15-JUL-02	
WG63217-3	SBD			S	CLPESTPCB	OTHR SOLID	PREP	U	15-JUL-02	

Comments:

L24060-13	Zone 7S, sample 1, edible tissue
WG63217-1	MB020715
WG63217-2	WG63217-1
WG63217-3	WG63217-2 WG63217-1

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 07/17/02 03:02
Run ID: R83121 Workgroup: WG63217 (PPS#259 clpestpcb)

MB:WG63217-1 Matrix: OTHR SOLID Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: PKey: STD

Parameter	Mdl	Rdl	Units	MB Value	Qual
Alpha-BHC	1.3	2.67	ug/Kg	<MDL	
Beta-BHC	1.3	2.67	ug/Kg	<MDL	
Delta-BHC	1.3	2.67	ug/Kg	<MDL	
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	
Heptachlor	1.3	2.67	ug/Kg	<MDL	
Aldrin	1.3	2.67	ug/Kg	<MDL	
Heptachlor Epoxide	1.3	2.67	ug/Kg	<MDL	
Endosulfan I	1.3	2.67	ug/Kg	<MDL	
Dieldrin	1.3	2.67	ug/Kg	<MDL	
4,4'-DDE	1.3	2.67	ug/Kg	<MDL	
Endrin	1.3	2.67	ug/Kg	<MDL	
Endosulfan II	1.3	2.67	ug/Kg	<MDL	
4,4'-DDD	1.3	2.67	ug/Kg	<MDL	
Endrin Aldehyde	1.3	2.67	ug/Kg	<MDL	
Endosulfan Sulfate	1.3	2.67	ug/Kg	<MDL	
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	
Methoxychlor	6.7	13.3	ug/Kg	<MDL	
Chlordane	1.3	2.67	ug/Kg	<MDL	
Toxaphene	13	26.7	ug/Kg	<MDL	
Aroclor 1016	13	26.7	ug/Kg	<MDL	
Aroclor 1221	13	26.7	ug/Kg	<MDL	
Aroclor 1232	13	26.7	ug/Kg	<MDL	
Aroclor 1242	13	26.7	ug/Kg	<MDL	
Aroclor 1248	13	26.7	ug/Kg	<MDL	
Aroclor 1254	13	26.7	ug/Kg	<MDL	
Aroclor 1260	13	26.7	ug/Kg	<MDL	

SBD:WG63217-3 SB:WG63217-2 MB:WG63217-1 Matrix: OTHR SOLID Listtype: ORPP Method: EPA 8081A/8082 (7-3-03-002) Project: PKey: STD

Parameter	Mdl	Rdl	Units	MB Value	Truevalue	SB Value	% Rec.	Qual	Limits	Truevalue	SBD Value	% Rec.	Qual	Limits	RPD/RSD	Qual	Limits
Gamma-BHC (Lindane)	1.3	2.67	ug/Kg	<MDL	13.3333	12	90		56-123	13.3333	11.9	89		56-123	1		15
Heptachlor	1.3	2.67	ug/Kg	<MDL	13.3333	15.2	114		40-131	13.3333	14.8	111		40-131	3		20
Aldrin	1.3	2.67	ug/Kg	<MDL	13.3333	10.8	81		40-120	13.3333	10.9	82		40-120	1		22
Dieldrin	1.3	2.67	ug/Kg	<MDL	13.3333	13.3	100		52-126	13.3333	13.3	100		52-126	0		18
Endrin	1.3	2.67	ug/Kg	<MDL	13.3333	16.7	126	*	56-121	13.3333	16.8	126	*	56-121	0		21
4,4'-DDT	1.3	2.67	ug/Kg	<MDL	13.3333	13.6	102		38-127	13.3333	13.4	101		38-127	1		27

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 07/17/02 03:02
Run ID: R83121 Workgroup: WG63217 (PPS#259 clpestpcb)

Sample #	2,4,5,6-Tetrachloro-m-xylene 50-150	Decachlorobipheny- 50-150
L24060-13	92	86
WG63217-1	70	97
WG63217-2	74	100
WG63217-3	73	100