PROJECT: 423589-090-1

King County Environmental Lab Matrix Report

COMBINED LABS-Liquid

Locator	Sample Date	Lab ID	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzyl Butyl Phthalate	Bis(2-Ethylhexyl)Phthalate	Chrysene	Dibenzo(a,h)anthracene	Diethyl Phthalate	Dimethyl Phthalate	Di-N-Butyl Phthalate	Di-N-Octyl Phthalate
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
DZ-01-110805-113005	11/30/2005	L37677-1	0.015	0.0052	0.0173	0.00774	0.0202	0.0207	0.0525	0.0427	0.0329	0.158	0.877	0.0552	0.0085	0.078	0.0187	0.0857	0.114
CE-01-110805-113005	11/30/2005	L37677-2	0.0139	0.00977	0.0259	0.0271	0.0784	0.072	0.0528	0.0366	0.0411	0.264	1.96	0.128	0.0098	0.0492	0.0165	0.0899	0.0825
BW-01-110805-113005	11/30/2005	L37677-3	0.0098		0.0191	0.0041	0.00787	0.0088	0.0165	0.0136	0.0134	0.114	0.564	0.0236		0.0466	0.00834	0.0686	0.0321
SPCC-01-110805-113005	11/30/2005	L37677-4	0.0233		0.0143	0.00788	0.0201	0.0176	0.04	0.0323	0.0293	0.599	0.581	0.0464	0.007	0.0589	0.0166	0.0973	0.0474
KCIA-01-110805-113005	11/30/2005	L37677-5	0.0226	0.019	0.0275	0.0482	0.353	0.48	0.694	0.507	0.656	0.193	0.746	0.722	0.149	0.0585	0.0117	0.104	0.0467

KCSlip4 55500

SEA421828

PROJECT: 423589-090-1

King County Environmental Lab Matrix Report

COMBINED LABS-Liquid

Locator	Sample Date	Lab ID	Fluoranthene ug/L	Fluorene ug/L	Indeno(1,2,3-Cd)Pyrene ug/L	Naphthalene ug/L	Phenanthrene ug/L	Pyrene ug/L
DZ-01-110805-113005	11/30/2005	L37677-1	0.0798	0.0155	0.0274	0.0191	0.0525	0.0827
CE-01-110805-113005	11/30/2005	L37677-2	0.181	0.0286	0.023	0.0263	0.114	0.217
BW-01-110805-113005	11/30/2005	L37677-3	0.0376	0.0154	0.0084	0.0217	0.0411	0.04
SPCC-01-110805-113005	11/30/2005	L37677-4	0.0719	0.0125	0.0219	0.0205	0.054	0.0744
KCIA-01-110805-113005	11/30/2005	L37677-5	1.22	0.0362	0.45	0.0258	0.574	0.911

KCSlip4 55501

SEA421829

PROJECT: 423589-090-1

King County Environmental Lab Matrix Report

COMBINED LABS-Solid

Locator	Sample Date	Lab ID	Benzo(a)anthracene ug	Benzo(g,h,i)perylene ug	Benzyl Butyl Phthalate ug	Bis(2-Ethylhexyl)Phthalate ug	Chrysene ug	Diethyl Phthalate ug	Di-N-Butyl Phthalate ug	Fluoranthene ug	Phenanthrene ug	Pyrene ug
DZ-01-110805-113005	11/30/2005	L37677-6			0.424	1.02	0.0207	0.0845	0.506	0.0256	0.036	0.0221
CE-01-110805-113005	11/30/2005	L37677-7	0.0117	0.0278	0.32	1.45	0.03	0.076	0.721	0.0369	0.0386	0.0362
BW-01-110805-113005	11/30/2005	L37677-8			0.222	0.547	0.0092	0.077	0.375	0.0094	0.0194	0.0106
SPCC-01-110805-113005	11/30/2005	L37677-9			0.463	0.423		0.0811	0.366	0.0097	0.015	0.0087
KCIA-01-110805-113005	11/30/2005	L37677-10				0.577	0.0257	0.0829	0.356	0.0423	0.0306	0.0298

KCSlip4 55502

SEA421830

King County Environmental Lab Analytical Report

PROJECT: 423589-090-1

Locator:	DZ	CE	BW	SPCC
Descrip:	GEORGETOWN, 6431 C	DUWAMISH, 4752 E.	BEACON HILL, 15TH	SOUTH PARK COMMUNI
Client Loc:	DZ-01-110805-113005	CE-01-110805-113005	BW-01-110805-113005	SPCC-01-110805-113005
Sampled:	Nov 30, 2005	Nov 30, 2005	Nov 30, 2005	Nov 30, 2005
Lab ID:	L37677-1	L37677-2	L37677-3	L37677-4
Matrix:	STORM WTR	STORM WTR	STORM WTR	STORM WTR
% Solids:				

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
			-Wet Weight Basis					-Wet Weight Basis					-Wet Weight Basis					-Wet Weight Basis		
COMBINED LABS																				
M=OR 8270B																				
2-Methylnaphthalene	0.015		0.0054	0.0107	ug/L	0.0139		0.0056	0.0112	ug/L	0.0098	<RDL	0.0057	0.0114	ug/L	0.0233		0.0054	0.0108	ug/L
Acenaphthene	0.0052	<RDL	0.0036	0.00716	ug/L	0.00977		0.0037	0.00749	ug/L		<MDL	0.0038	0.00759	ug/L		<MDL	0.0036	0.00721	ug/L
Acenaphthylene	0.0173		0.0036	0.00716	ug/L	0.0259		0.0037	0.00749	ug/L	0.0191		0.0038	0.00759	ug/L	0.0143		0.0036	0.00721	ug/L
Anthracene	0.00774		0.0036	0.00716	ug/L	0.0271		0.0037	0.00749	ug/L	0.0041	<RDL	0.0038	0.00759	ug/L	0.00788		0.0036	0.00721	ug/L
Benzo(a)anthracene	0.0202		0.0036	0.00716	ug/L	0.0784		0.0037	0.00749	ug/L	0.00787		0.0038	0.00759	ug/L	0.0201		0.0036	0.00721	ug/L
Benzo(a)pyrene	0.0207		0.0054	0.0107	ug/L	0.072		0.0056	0.0112	ug/L	0.0088	<RDL	0.0057	0.0114	ug/L	0.0176		0.0054	0.0108	ug/L
Benzo(b)fluoranthene	0.0525		0.0054	0.0107	ug/L	0.0528		0.0056	0.0112	ug/L	0.0165		0.0057	0.0114	ug/L	0.04		0.0054	0.0108	ug/L
Benzo(g,h,i)perylene	0.0427		0.0054	0.0107	ug/L	0.0366		0.0056	0.0112	ug/L	0.0136		0.0057	0.0114	ug/L	0.0323		0.0054	0.0108	ug/L
Benzo(k)fluoranthene	0.0329		0.0054	0.0107	ug/L	0.0411		0.0056	0.0112	ug/L	0.0134		0.0057	0.0114	ug/L	0.0293		0.0054	0.0108	ug/L
Benzyl Butyl Phthalate	0.158		0.0036	0.00716	ug/L	0.264	TA	0.0037	0.00749	ug/L	0.114		0.0038	0.00759	ug/L	0.599	TA	0.0036	0.00721	ug/L
Bis(2-Ethylhexyl)Phthalate	0.877	TA	0.0036	0.00716	ug/L	1.96	TA	0.0037	0.00749	ug/L	0.564	TA	0.0038	0.00759	ug/L	0.581	TA	0.0036	0.00721	ug/L
Chrysene	0.0552		0.0036	0.00716	ug/L	0.128		0.0037	0.00749	ug/L	0.0236		0.0038	0.00759	ug/L	0.0464		0.0036	0.00721	ug/L
Dibenzo(a,h)anthracene	0.0085	<RDL	0.0054	0.0107	ug/L	0.0098	<RDL	0.0056	0.0112	ug/L		<MDL	0.0057	0.0114	ug/L	0.007	<RDL	0.0054	0.0108	ug/L
Diethyl Phthalate	0.078		0.0054	0.0107	ug/L	0.0492		0.0056	0.0112	ug/L	0.0466		0.0057	0.0114	ug/L	0.0589		0.0054	0.0108	ug/L
Dimethyl Phthalate	0.0187		0.0036	0.00716	ug/L	0.0165		0.0037	0.00749	ug/L	0.00834		0.0038	0.00759	ug/L	0.0166	B	0.0036	0.00721	ug/L
Di-N-Butyl Phthalate	0.0857		0.0036	0.00716	ug/L	0.0899		0.0037	0.00749	ug/L	0.0686	B	0.0038	0.00759	ug/L	0.0973		0.0036	0.00721	ug/L
Di-N-Octyl Phthalate	0.114		0.0054	0.0107	ug/L	0.0825		0.0056	0.0112	ug/L	0.0321		0.0057	0.0114	ug/L	0.0474		0.0054	0.0108	ug/L
Fluoranthene	0.0798		0.0036	0.00716	ug/L	0.181		0.0037	0.00749	ug/L	0.0376		0.0038	0.00759	ug/L	0.0719		0.0036	0.00721	ug/L
Fluorene	0.0155		0.0036	0.00716	ug/L	0.0286		0.0037	0.00749	ug/L	0.0154		0.0038	0.00759	ug/L	0.0125		0.0036	0.00721	ug/L
Indeno(1,2,3-Cd)Pyrene	0.0274		0.0054	0.0107	ug/L	0.023		0.0056	0.0112	ug/L	0.0084	<RDL	0.0057	0.0114	ug/L	0.0219		0.0054	0.0108	ug/L
Naphthalene	0.0191		0.0072	0.0143	ug/L	0.0263		0.0075	0.015	ug/L	0.0217		0.0076	0.0152	ug/L	0.0205		0.0072	0.0144	ug/L
Phenanthrene	0.0525		0.0036	0.00716	ug/L	0.114		0.0037	0.00749	ug/L	0.0411		0.0038	0.00759	ug/L	0.054		0.0036	0.00721	ug/L
Pyrene	0.0827		0.0036	0.00716	ug/L	0.217	TA	0.0037	0.00749	ug/L	0.04		0.0038	0.00759	ug/L	0.0744		0.0036	0.00721	ug/L

KCSlip4 55503

SEA421831

King County Environmental Lab Analytical Report

PROJECT: 423589-090-1

Locator:	KCIA	DZ	CE	BW
Descrip:	TERMINAL-KING COUN	GEORGETOWN, 6431 C	DUWAMISH, 4752 E.	BEACON HILL, 15TH
Client Loc:	DKCIA-01-110805-113005	DZ-01-110805-113005	CE-01-110805-113005	BW-01-110805-113005
Sampled:	Nov 30, 2005	Nov 30, 2005	Nov 30, 2005	Nov 30, 2005
Lab ID:	L37677-5	L37677-6	L37677-7	L37677-8
Matrix:	STORM WTR	OTHR SOLID	OTHR SOLID	OTHR SOLID
% Solids:				

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
	-Wet Weight Basis					-Wet Weight Basis					-Wet Weight Basis					-Wet Weight Basis				
COMBINED LABS																				
M=OR 8270B																				
2-Methylnaphthalene	0.0226		0.0055	0.011	ug/L		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Acenaphthene	0.019		0.0037	0.00731	ug/L		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Acenaphthylene	0.0275		0.0037	0.00731	ug/L		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Anthracene	0.0482		0.0037	0.00731	ug/L		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Benzo(a)anthracene	0.353	TA	0.0037	0.00731	ug/L		<MDL	0.005	0.01	ug	0.0117		0.005	0.01	ug		<MDL	0.005	0.01	ug
Benzo(a)pyrene	0.48	TA	0.0055	0.011	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(b)fluoranthene	0.694	TA	0.0055	0.011	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(g,h,i)perylene	0.507	TA	0.0055	0.011	ug/L		<MDL	0.01	0.02	ug	0.0278		0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(k)fluoranthene	0.656	TA	0.0055	0.011	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzyl Butyl Phthalate	0.193	TA	0.0037	0.00731	ug/L	0.424		0.025	0.05	ug	0.32		0.025	0.05	ug	0.222		0.025	0.05	ug
Bis(2-Ethylhexyl)Phthalate	0.746	TA	0.0037	0.00731	ug/L	1.02		0.025	0.05	ug	1.45		0.025	0.05	ug	0.547		0.025	0.05	ug
Chrysene	0.722	TA	0.0037	0.00731	ug/L	0.0207		0.005	0.01	ug	0.03		0.005	0.01	ug	0.0092	<RDL	0.005	0.01	ug
Dibenzo(a,h)anthracene	0.149		0.0055	0.011	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Diethyl Phthalate	0.0585		0.0055	0.011	ug/L	0.0845	B	0.025	0.05	ug	0.076	B	0.025	0.05	ug	0.077	B	0.025	0.05	ug
Dimethyl Phthalate	0.0117		0.0037	0.00731	ug/L		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug
Di-N-Butyl Phthalate	0.104		0.0037	0.00731	ug/L	0.506		0.025	0.05	ug	0.721		0.025	0.05	ug	0.375		0.025	0.05	ug
Di-N-Octyl Phthalate	0.0467		0.0055	0.011	ug/L		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug
Fluoranthene	1.22	TA	0.0037	0.00731	ug/L	0.0256		0.005	0.01	ug	0.0369		0.005	0.01	ug	0.0094	<RDL	0.005	0.01	ug
Fluorene	0.0362		0.0037	0.00731	ug/L		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Indeno(1,2,3-Cd)Pyrene	0.45	TA	0.0055	0.011	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Naphthalene	0.0258		0.0073	0.0146	ug/L		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Phenanthrene	0.574	TA	0.0037	0.00731	ug/L	0.036		0.005	0.01	ug	0.0386		0.005	0.01	ug	0.0194		0.005	0.01	ug
Pyrene	0.911	TA	0.0037	0.00731	ug/L	0.0221		0.005	0.01	ug	0.0362		0.005	0.01	ug	0.0106		0.005	0.01	ug

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SEA421832

King County Environmental Lab Analytical Report

PROJECT: 423589-090-1

Locator:	SPCC	KCIA
Descrip:	SOUTH PARK COMMUNI	TERMINAL-KING COUN
Client Loc:	SPCC-01-110805-113005	KCIA-01-110805-113005
Sampled:	Nov 30, 2005	Nov 30, 2005
Lab ID:	L37677-9	L37677-10
Matrix:	OTHR SOLID	OTHR SOLID
% Solids:		

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
		-Wet Weight Basis					-Wet Weight Basis			
COMBINED LABS										
M=OR 8270B										
2-Methylnaphthalene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Acenaphthene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Acenaphthylene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Anthracene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Benzo(a)anthracene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Benzo(a)pyrene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(b)fluoranthene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(g,h,i)perylene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzo(k)fluoranthene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Benzyl Butyl Phthalate	0.463		0.025	0.05	ug		<MDL	0.025	0.05	ug
Bis(2-Ethylhexyl)Phthalate	0.423		0.025	0.05	ug	0.577		0.025	0.05	ug
Chrysene		<MDL	0.005	0.01	ug	0.0257		0.005	0.01	ug
Dibenzo(a,h)anthracene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Diethyl Phthalate	0.0811	B	0.025	0.05	ug	0.0829	B	0.025	0.05	ug
Dimethyl Phthalate		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug
Di-N-Butyl Phthalate	0.366		0.025	0.05	ug	0.356	B	0.025	0.05	ug
Di-N-Octyl Phthalate		<MDL	0.025	0.05	ug		<MDL	0.025	0.05	ug
Fluoranthene	0.0097	<RDL	0.005	0.01	ug	0.0423		0.005	0.01	ug
Fluorene		<MDL	0.005	0.01	ug		<MDL	0.005	0.01	ug
Indeno(1,2,3-Cd)Pyrene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Naphthalene		<MDL	0.01	0.02	ug		<MDL	0.01	0.02	ug
Phenanthrene	0.015		0.005	0.01	ug	0.0306		0.005	0.01	ug
Pyrene	0.0087	<RDL	0.005	0.01	ug	0.0298		0.005	0.01	ug

KCSlip4 55505

SEA421833

King County Environmental Laboratory

WORK GROUP REPORT (wk02)

Jan 19 2006, 09:55 am

Work Group: WG83559 (BL#620 PHPAHSOURCE) for Department: 7 - Organics, Trace

Created: 09-DEC-05 PrepDate: 05-DEC-05 Due: Operator: JG

Sample	Project Number	Project Description	PKey	C	Product	Matrix	Stat	UA	Workdate	Duedate
L37677-1	423589-090-1	Lower Duwamish Phthalate Studies	S		PHPAHSOURCE	STORM WTR	PREP	U	14-DEC-05	30-DEC-05
L37677-2	423589-090-1	Lower Duwamish Phthalate Studies	S		PHPAHSOURCE	STORM WTR	PREP	U	14-DEC-05	30-DEC-05
L37677-3	423589-090-1	Lower Duwamish Phthalate Studies	S		PHPAHSOURCE	STORM WTR	PREP	U	14-DEC-05	30-DEC-05
L37677-4	423589-090-1	Lower Duwamish Phthalate Studies	S		PHPAHSOURCE	STORM WTR	PREP	U	14-DEC-05	30-DEC-05
L37677-5	423589-090-1	Lower Duwamish Phthalate Studies	S		PHPAHSOURCE	STORM WTR	PREP	U	14-DEC-05	30-DEC-05
WG83559-1	MB		S		PHPAHSOURCE	BLANK WTR	PREP	U	09-DEC-05	
WG83559-2	SB		S		PHPAHSOURCE	BLANK WTR	PREP	U	09-DEC-05	
WG83559-3	MB		S		PHPAHSOURCE	BLANK WTR	PREP	U	19-JAN-06	
WG83559-4	SBD		S		PHPAHSOURCE	BLANK WTR	PREP	U	19-JAN-06	

Comments:

L37677-1	carboys
L37677-2	carboys
L37677-3	carboys
L37677-4	carboys
L37677-5	carboys
WG83559-1	MB051205
WG83559-2	WG83559-1
WG83559-3	MB051206
WG83559-4	WG83559-2 WG83559-1

KCSlip4 55506

SEA421834

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: L37677-1	Matrix: STORM WTR	List Type: ORPHPAHSOURCE			
	Project: 423589-090-1	Run ID: R111698		Col. Date:	30-NOV-05
	Locator: DZ	Work Group: WG83559		Rec. Date:	30-NOV-05
	Site: METRO	QC Type:		Due Date:	30-DEC-05
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene	.0191	ug/L		.0072	.0143	
Acenaphthylene	.0173	ug/L		.0036	.00716	
Dimethyl Phthalate	.0187	ug/L		.0036	.00716	
Acenaphthene	.0052	ug/L	<RDL	.0036	.00716	
Fluorene	.0155	ug/L		.0036	.00716	
Diethyl Phthalate	.078	ug/L		.0054	.0107	
Phenanthrene	.0525	ug/L		.0036	.00716	
Anthracene	.00774	ug/L		.0036	.00716	
Di-N-Butyl Phthalate	.0857	ug/L		.0036	.00716	
Fluoranthene	.0798	ug/L		.0036	.00716	
Pyrene	.0827	ug/L		.0036	.00716	
Benzyl Butyl Phthalate	.158	ug/L		.0036	.00716	
Benzo(a)anthracene	.0202	ug/L		.0036	.00716	
Chrysene	.0552	ug/L		.0036	.00716	
Bis(2-Ethylhexyl)Phthalate	.877	ug/L	TA	.0036	.00716	value from 10x dilution
Di-N-Octyl Phthalate	.114	ug/L		.0054	.0107	
Benzo(b)fluoranthene	.0525	ug/L		.0054	.0107	
Benzo(k)fluoranthene	.0329	ug/L		.0054	.0107	
Benzo(a)pyrene	.0207	ug/L		.0054	.0107	
Indeno(1,2,3-Cd)Pyrene	.0274	ug/L		.0054	.0107	
Dibenzo(a,h)anthracene	.0085	ug/L	<RDL	.0054	.0107	
Benzo(g,h,i)perylene	.0427	ug/L		.0054	.0107	
2-Methylnaphthalene	.015	ug/L		.0054	.0107	
d14-Terphenyl	.229	ug/L		.0036	.00716	
D6-Dimethyl Phthalate	.0491	ug/L		.0036	.00716	
D8-Acenaphthylene		ug/L	<MDL	.0036	.00716	
D10-Fluorene	.0103	ug/L		.0036	.00716	
D10-Anthracene		ug/L	<MDL	.0036	.00716	
D10-Pyrene	.0377	ug/L		.0036	.00716	
D12-Benzo(a)pyrene	.0164	ug/L		.0036	.00716	

Amount Analyzed	5590	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Fada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/L37677-1X.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec		Lab Limits
d14-Terphenyl	103		33-141
D6-Dimethyl Phthalate	55		0-150
D8-Acenaphthylene	0	*	0-150
D10-Fluorene	11		0-150
D10-Anthracene	0	*	0-150
D10-Pyrene	42		0-150
D12-Benzo(a)pyrene	18		0-150

KCSlip4 55507

SEA421835

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: L37677-2	Matrix:	STORM WTR	List Type:	ORPHPAHSOURCE	
	Project:	423589-090-1	Run ID:	R111698	Col. Date: 30-NOV-05
	Locator:	CE	Work Group:	WG83559	Rec. Date: 30-NOV-05
	Site:	METRO	QC Type:		Due Date: 30-DEC-05
	Method Code:	8270B			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene	.0263	ug/L		.0075	.015	
Acenaphthylene	.0259	ug/L		.0037	.00749	
Dimethyl Phthalate	.0165	ug/L		.0037	.00749	
Acenaphthene	.00977	ug/L		.0037	.00749	
Fluorene	.0286	ug/L		.0037	.00749	
Diethyl Phthalate	.0492	ug/L		.0056	.0112	
Phenanthrene	.114	ug/L		.0037	.00749	
Anthracene	.0271	ug/L		.0037	.00749	
Di-N-Butyl Phthalate	.0899	ug/L		.0037	.00749	
Fluoranthene	.181	ug/L		.0037	.00749	
Pyrene	.217	ug/L	TA	.0037	.00749	value from 10x dilution
Benzyl Butyl Phthalate	.264	ug/L	TA	.0037	.00749	value from 10x dilution
Benzo(a)anthracene	.0784	ug/L		.0037	.00749	
Chrysene	.128	ug/L		.0037	.00749	
Bis(2-Ethylhexyl)Phthalate	1.96	ug/L	TA	.0037	.00749	value from 10x dilution
Di-N-Octyl Phthalate	.0825	ug/L		.0056	.0112	
Benzo(b)fluoranthene	.0528	ug/L		.0056	.0112	
Benzo(k)fluoranthene	.0411	ug/L		.0056	.0112	
Benzo(a)pyrene	.072	ug/L		.0056	.0112	
Indeno(1,2,3-Cd)Pyrene	.023	ug/L		.0056	.0112	
Dibenzo(a,h)anthracene	.0098	ug/L	<RDL	.0056	.0112	
Benzo(g,h,i)perylene	.0366	ug/L		.0056	.0112	
2-Methylnaphthalene	.0139	ug/L		.0056	.0112	
d14-Terphenyl	.287	ug/L		.0037	.00749	
D6-Dimethyl Phthalate	.0484	ug/L		.0037	.00749	
D8-Acenaphthylene		ug/L	<MDL	.0037	.00749	
D10-Fluorene	.0056	ug/L	<RDL	.0037	.00749	
D10-Anthracene		ug/L	<MDL	.0037	.00749	
D10-Pyrene	.0108	ug/L		.0037	.00749	
D12-Benzo(a)pyrene	.0766	ug/L		.0037	.00749	

Amount Analyzed	5340	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Fada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/L37677-2X.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec		Lab Limits
d14-Terphenyl	123		33-141
D6-Dimethyl Phthalate	52		0-150
D8-Acenaphthylene	0	*	0-150
D10-Fluorene	6	*	0-150
D10-Anthracene	0	*	0-150
D10-Pyrene	12		0-150
D12-Benzo(a)pyrene	82		0-150

KCSlip4 55508

SEA421836

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: L37677-3	Matrix:	STORM WTR	List Type:	ORPHPAHSOURCE	
	Project:	423589-090-1	Run ID:	R111698	Col. Date: 30-NOV-05
	Locator:	BW	Work Group:	WG83559	Rec. Date: 30-NOV-05
	Site:	METRO	QC Type:		Due Date: 30-DEC-05
	Method Code:	8270B			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene	.0217	ug/L		.0076	.0152	
Acenaphthylene	.0191	ug/L		.0038	.00759	
Dimethyl Phthalate	.00834	ug/L		.0038	.00759	
Acenaphthene		ug/L	<MDL	.0038	.00759	
Fluorene	.0154	ug/L		.0038	.00759	
Diethyl Phthalate	.0466	ug/L		.0057	.0114	
Phenanthrene	.0411	ug/L		.0038	.00759	
Anthracene	.0041	ug/L	<RDL	.0038	.00759	
Di-N-Butyl Phthalate	.0686	ug/L	B	.0038	.00759	
Fluoranthene	.0376	ug/L		.0038	.00759	
Pyrene	.04	ug/L		.0038	.00759	
Benzyl Butyl Phthalate	.114	ug/L		.0038	.00759	
Benzo(a)anthracene	.00787	ug/L		.0038	.00759	
Chrysene	.0236	ug/L		.0038	.00759	
Bis(2-Ethylhexyl)Phthalate	.564	ug/L	TA	.0038	.00759	value from 10x dilution
Di-N-Octyl Phthalate	.0321	ug/L		.0057	.0114	
Benzo(b)fluoranthene	.0165	ug/L		.0057	.0114	
Benzo(k)fluoranthene	.0134	ug/L		.0057	.0114	
Benzo(a)pyrene	.0088	ug/L	<RDL	.0057	.0114	
Indeno(1,2,3-Cd)Pyrene	.0084	ug/L	<RDL	.0057	.0114	
Dibenzo(a,h)anthracene		ug/L	<MDL	.0057	.0114	
Benzo(g,h,i)perylene	.0136	ug/L		.0057	.0114	
2-Methylnaphthalene	.0098	ug/L	<RDL	.0057	.0114	
d14-Terphenyl	.245	ug/L		.0038	.00759	
D6-Dimethyl Phthalate	.071	ug/L		.0038	.00759	
D8-Acenaphthylene	.0038	ug/L	<RDL	.0038	.00759	
D10-Fluorene	.0064	ug/L	<RDL	.0038	.00759	
D10-Anthracene	.0052	ug/L	<RDL	.0038	.00759	
D10-Pyrene	.0607	ug/L		.0038	.00759	
D12-Benzo(a)pyrene	.0206	ug/L		.0038	.00759	

Amount Analyzed	5270	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Fada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/L37677-3X.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec		Lab Limits
d14-Terphenyl	103		33-141
D6-Dimethyl Phthalate	75		0-150
D8-Acenaphthylene	4	*	0-150
D10-Fluorene	7	*	0-150
D10-Anthracene	5	*	0-150
D10-Pyrene	64		0-150
D12-Benzo(a)pyrene	22		0-150

KCSlip4 55509

SEA421837

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: L37677-4	Matrix: STORM WTR	List Type: ORPHPAHSOURCE			
	Project: 423589-090-1	Run ID: R111698		Col. Date:	30-NOV-05
	Locator: SPCC	Work Group: WG83559		Rec. Date:	30-NOV-05
	Site: METRO	QC Type:		Due Date:	30-DEC-05
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene	.0205	ug/L		.0072	.0144	
Acenaphthylene	.0143	ug/L		.0036	.00721	
Dimethyl Phthalate	.0166	ug/L	B	.0036	.00721	
Acenaphthene		ug/L	<MDL	.0036	.00721	
Fluorene	.0125	ug/L		.0036	.00721	
Diethyl Phthalate	.0589	ug/L		.0054	.0108	
Phenanthrene	.054	ug/L		.0036	.00721	
Anthracene	.00788	ug/L		.0036	.00721	
Di-N-Butyl Phthalate	.0973	ug/L		.0036	.00721	
Fluoranthene	.0719	ug/L		.0036	.00721	
Pyrene	.0744	ug/L		.0036	.00721	
Benzyl Butyl Phthalate	.599	ug/L	TA	.0036	.00721	value from 10x dilution
Benzo(a)anthracene	.0201	ug/L		.0036	.00721	
Chrysene	.0464	ug/L		.0036	.00721	
Bis(2-Ethylhexyl)Phthalate	.581	ug/L	TA	.0036	.00721	value from 10x dilution
Di-N-Octyl Phthalate	.0474	ug/L		.0054	.0108	
Benzo(b)fluoranthene	.04	ug/L		.0054	.0108	
Benzo(k)fluoranthene	.0293	ug/L		.0054	.0108	
Benzo(a)pyrene	.0176	ug/L		.0054	.0108	
Indeno(1,2,3-Cd)Pyrene	.0219	ug/L		.0054	.0108	
Dibenzo(a,h)anthracene	.007	ug/L	<RDL	.0054	.0108	
Benzo(g,h,i)perylene	.0323	ug/L		.0054	.0108	
2-Methylnaphthalene	.0233	ug/L		.0054	.0108	
d14-Terphenyl	.23	ug/L		.0036	.00721	
D6-Dimethyl Phthalate	.0426	ug/L		.0036	.00721	
D8-Acenaphthylene	.0058	ug/L	<RDL	.0036	.00721	
D10-Fluorene	.00838	ug/L		.0036	.00721	
D10-Anthracene		ug/L	<MDL	.0036	.00721	
D10-Pyrene	.0599	ug/L		.0036	.00721	
D12-Benzo(a)pyrene	.0494	ug/L		.0036	.00721	

Amount Analyzed	5550	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Fada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/L37677-4X.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec		Lab Limits
d14-Terphenyl	102		33-141
D6-Dimethyl Phthalate	47		0-150
D8-Acenaphthylene	6	*	0-150
D10-Fluorene	9	*	0-150
D10-Anthracene	0	*	0-150
D10-Pyrene	67		0-150
D12-Benzo(a)pyrene	55		0-150

KCSlip4 55510

SEA421838

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: L37677-5	Matrix:	STORM WTR	List Type:	ORPHPAHSOURCE	
	Project:	423589-090-1	Run ID:	R111698	Col. Date: 30-NOV-05
	Locator:	KCIA	Work Group:	WG83559	Rec. Date: 30-NOV-05
	Site:	METRO	QC Type:		Due Date: 30-DEC-05
	Method Code:	8270B			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene	.0258	ug/L		.0073	.0146	
Acenaphthylene	.0275	ug/L		.0037	.00731	
Dimethyl Phthalate	.0117	ug/L		.0037	.00731	
Acenaphthene	.019	ug/L		.0037	.00731	
Fluorene	.0362	ug/L		.0037	.00731	
Diethyl Phthalate	.0585	ug/L		.0055	.011	
Phenanthrene	.574	ug/L	TA	.0037	.00731	value from 10x dilution
Anthracene	.0482	ug/L		.0037	.00731	
Di-N-Butyl Phthalate	.104	ug/L		.0037	.00731	
Fluoranthene	1.22	ug/L	TA	.0037	.00731	value from 10x dilution
Pyrene	.911	ug/L	TA	.0037	.00731	value from 10x dilution
Benzyl Butyl Phthalate	.193	ug/L	TA	.0037	.00731	value from 10x dilution
Benzo(a)anthracene	.353	ug/L	TA	.0037	.00731	value from 10x dilution
Chrysene	.722	ug/L	TA	.0037	.00731	value from 10x dilution
Bis(2-Ethylhexyl)Phthalate	.746	ug/L	TA	.0037	.00731	value from 10x dilution
Di-N-Octyl Phthalate	.0467	ug/L		.0055	.011	
Benzo(b)fluoranthene	.694	ug/L	TA	.0055	.011	value from 10x dilution
Benzo(k)fluoranthene	.656	ug/L	TA	.0055	.011	value from 10x dilution
Benzo(a)pyrene	.48	ug/L	TA	.0055	.011	value from 10x dilution
Indeno(1,2,3-Cd)Pyrene	.45	ug/L	TA	.0055	.011	value from 10x dilution
Dibenzo(a,h)anthracene	.149	ug/L		.0055	.011	
Benzo(g,h,i)perylene	.507	ug/L	TA	.0055	.011	value from 10x dilution
2-Methylnaphthalene	.0226	ug/L		.0055	.011	
d14-Terphenyl	.24	ug/L		.0037	.00731	
D6-Dimethyl Phthalate	.0448	ug/L		.0037	.00731	
D8-Acenaphthylene		ug/L	<MDL	.0037	.00731	
D10-Fluorene	.0073	ug/L	<RDL	.0037	.00731	
D10-Anthracene		ug/L	<MDL	.0037	.00731	
D10-Pyrene	.0452	ug/L		.0037	.00731	
D12-Benzo(a)pyrene	.066	ug/L		.0037	.00731	

Amount Analyzed	5470	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Fada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/L37677-5X.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec		Lab Limits
d14-Terphenyl	105		33-141
D6-Dimethyl Phthalate	49		0-150
D8-Acenaphthylene	0	*	0-150
D10-Fluorene	8	*	0-150
D10-Anthracene	0	*	0-150
D10-Pyrene	49		0-150
D12-Benzo(a)pyrene	72		0-150

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: WG83559-1	Matrix: BLANK WTR	List Type:	ORPHPAHSOURCE		
	Project:	Run ID:	R111698	Col. Date:	
	Locator: MB	Work Group:	WG83559	Rec. Date:	09-DEC-05
	Site: NONE	QC Type:	MB	Due Date:	
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug/L	<MDL	.008	.016	
Acenaphthylene		ug/L	<MDL	.004	.008	
Dimethyl Phthalate		ug/L	<MDL	.004	.008	
Acenaphthene		ug/L	<MDL	.004	.008	
Fluorene		ug/L	<MDL	.004	.008	
Diethyl Phthalate	.0082	ug/L	<RDL,B	.006	.012	
Phenanthrene		ug/L	<MDL	.004	.008	
Anthracene		ug/L	<MDL	.004	.008	
Di-N-Butyl Phthalate	.0265	ug/L	B	.004	.008	
Fluoranthene		ug/L	<MDL	.004	.008	
Pyrene		ug/L	<MDL	.004	.008	
Benzyl Butyl Phthalate	.0108	ug/L	B	.004	.008	
Benzo(a)anthracene		ug/L	<MDL	.004	.008	
Chrysene		ug/L	<MDL	.004	.008	
Bis(2-Ethylhexyl)Phthalate	.0423	ug/L	B	.004	.008	
Di-N-Octyl Phthalate		ug/L	<MDL	.006	.012	
Benzo(b)fluoranthene		ug/L	<MDL	.006	.012	
Benzo(k)fluoranthene		ug/L	<MDL	.006	.012	
Benzo(a)pyrene		ug/L	<MDL	.006	.012	
Indeno(1,2,3-Cd)Pyrene		ug/L	<MDL	.006	.012	
Dibenzo(a,h)anthracene		ug/L	<MDL	.006	.012	
Benzo(g,h,i)perylene		ug/L	<MDL	.006	.012	
2-Methylnaphthalene		ug/L	<MDL	.006	.012	
d14-Terphenyl	.222	ug/L		.004	.008	
D6-Dimethyl Phthalate	.065	ug/L		.004	.008	
D8-Acenaphthylene	.0766	ug/L		.004	.008	
D10-Fluorene	.096	ug/L		.004	.008	
D10-Anthracene	.114	ug/L		.004	.008	
D10-Pyrene	.156	ug/L		.004	.008	
D12-Benzo(a)pyrene	.145	ug/L		.004	.008	
Amount Analyzed	5000	ml				
Standard Amount	1000	ml				
Dilution Factor	1	none				
Date Analyzed						12-JAN-06
Operator ID						Dave Fada
Porthandler File						/usr/users/seed2/METROS3/files/gcms/WG83559-1.rp
Instrument ID						6890n.i
Prep Date						05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
d14-Terphenyl	89	33-141
D6-Dimethyl Phthalate	65	0-150
D8-Acenaphthylene	77	0-150
D10-Fluorene	96	0-150
D10-Anthracene	114	0-150
D10-Pyrene	156 *	0-150
D12-Benzo(a)pyrene	145	0-150

KCSlip4 55512

SEA421840

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: WG83559-2	Matrix: BLANK WTR	List Type:	ORPHPAHSOURCE		
	Project:	Run ID:	R111698	Col. Date:	
	Locator: SB	Work Group:	WG83559	Rec. Date:	09-DEC-05
	Site: NONE	QC Type:	SB	Due Date:	
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug/L	<MDL	.008	.016	
Acenaphthylene	.0411	ug/L		.004	.008	
Dimethyl Phthalate	.0454	ug/L		.004	.008	
Acenaphthene		ug/L	<MDL	.004	.008	
Fluorene	.0679	ug/L		.004	.008	
Diethyl Phthalate	.112	ug/L		.006	.012	
Phenanthrene	.0812	ug/L		.004	.008	
Anthracene	.0734	ug/L		.004	.008	
Di-N-Butyl Phthalate	.135	ug/L		.004	.008	
Fluoranthene		ug/L	<MDL	.004	.008	
Pyrene	.0947	ug/L		.004	.008	
Benzyl Butyl Phthalate	.14	ug/L		.004	.008	
Benzo(a)anthracene	.1	ug/L		.004	.008	
Chrysene	.1	ug/L		.004	.008	
Bis(2-Ethylhexyl)Phthalate	.154	ug/L		.004	.008	
Di-N-Octyl Phthalate		ug/L	<MDL	.006	.012	
Benzo(b)fluoranthene	.116	ug/L		.006	.012	
Benzo(k)fluoranthene	.118	ug/L		.006	.012	
Benzo(a)pyrene	.0989	ug/L		.006	.012	
Indeno(1,2,3-Cd)Pyrene	.12	ug/L		.006	.012	
Dibenzo(a,h)anthracene	.12	ug/L		.006	.012	
Benzo(g,h,i)perylene	.116	ug/L		.006	.012	
2-Methylnaphthalene		ug/L	<MDL	.006	.012	
d14-Terphenyl	.228	ug/L		.004	.008	
D6-Dimethyl Phthalate	.0686	ug/L		.004	.008	
D8-Acenaphthylene	.0788	ug/L		.004	.008	
D10-Fluorene	.118	ug/L		.004	.008	
D10-Anthracene	.121	ug/L		.004	.008	
D10-Pyrene	.158	ug/L		.004	.008	
D12-Benzo(a)pyrene	.141	ug/L		.004	.008	

Amount Analyzed	5000	ml	
Standard Amount	1000	ml	
Dilution Factor	1	none	
Date Analyzed			12-JAN-06
Operator ID			Dave Pada
Porthandler File			/usr/users/seed2/METROS3/files/gcms/WG83559-2.rp
Instrument ID			6890n.i
Prep Date			05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
d14-Terphenyl	91	33-141
D6-Dimethyl Phthalate	69	0-150
D8-Acenaphthylene	79	0-150
D10-Fluorene	118	0-150
D10-Anthracene	121	0-150
D10-Pyrene	158 *	0-150
D12-Benzo(a)pyrene	141	0-150

KCSlip4 55513

SEA421841

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: WG83559-3	Matrix: BLANK WTR	List Type:	ORPHPAHSOURCE		
	Project:	Run ID:	R111698	Col. Date:	
	Locator: MB	Work Group:	WG83559	Rec. Date:	19-JAN-06
	Site: NONE	QC Type:	MB	Due Date:	
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug/L	<MDL	.008	.016	
Acenaphthylene		ug/L	<MDL	.004	.008	
Dimethyl Phthalate		ug/L	<MDL	.004	.008	
Acenaphthene		ug/L	<MDL	.004	.008	
Fluorene		ug/L	<MDL	.004	.008	
Diethyl Phthalate	.0062	ug/L	<RDL,B	.006	.012	
Phenanthrene		ug/L	<MDL	.004	.008	
Anthracene		ug/L	<MDL	.004	.008	
Di-N-Butyl Phthalate	.0254	ug/L	B	.004	.008	
Fluoranthene		ug/L	<MDL	.004	.008	
Pyrene		ug/L	<MDL	.004	.008	
Benzyl Butyl Phthalate	.00941	ug/L	B	.004	.008	
Benzo(a)anthracene		ug/L	<MDL	.004	.008	
Chrysene		ug/L	<MDL	.004	.008	
Bis(2-Ethylhexyl)Phthalate	.0403	ug/L	B	.004	.008	
Di N Octyl Phthalate		ug/L	<MDL	.006	.012	
Benzo(b)fluoranthene		ug/L	<MDL	.006	.012	
Benzo(k)fluoranthene		ug/L	<MDL	.006	.012	
Benzo(a)pyrene		ug/L	<MDL	.006	.012	
Indeno(1,2,3-Cd)Pyrene		ug/L	<MDL	.006	.012	
Dibenzo(a,h)anthracene		ug/L	<MDL	.006	.012	
Benzo(g,h,i)perylene		ug/L	<MDL	.006	.012	
2-Methylnaphthalene		ug/L	<MDL	.006	.012	
d14-Terphenyl	.214	ug/L		.004	.008	
D6-Dimethyl Phthalate	.0689	ug/L		.004	.008	
D8-Acenaphthylene	.0781	ug/L		.004	.008	
D10-Fluorene	.0997	ug/L		.004	.008	
D10-Anthracene	.119	ug/L		.004	.008	
D10-Pyrene	.161	ug/L		.004	.008	
D12-Benzo(a)pyrene	.15	ug/L		.004	.008	
Amount Analyzed	5000	ml				
Standard Amount	1000	ml				
Dilution Factor	1	none				
Date Analyzed						12-JAN-06
Operator ID						Dave Fada
Porthandler File						/usr/users/seed2/METROS3/files/gcms/WG83560-1.rp
Instrument ID						6890n.i
Prep Date						05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
d14-Terphenyl	86	33-141
D6 Dimethyl Phthalate	69	0-150
D8-Acenaphthylene	78	0-150
D10-Fluorene	100	0-150
D10-Anthracene	119	0-150
D10-Pyrene	161 *	0-150
D12-Benzo(a)pyrene	150	0-150

KCSlip4 55514

SEA421842

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 01/23/06 10:44 - Data Source: ELD

Sample#: WG83559-4	Matrix: BLANK WTR	List Type:	ORPHPAHSOURCE		
	Project:	Run ID:	R111698	Col. Date:	
	Locator: SBD	Work Group:	WG83559	Rec. Date:	19-JAN-06
	Site: NONE	QC Type:	SBD	Due Date:	
	Method Code: 8270B				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug/L	<MDL	.008	.016	
Acenaphthylene	.0386	ug/L		.004	.008	
Dimethyl Phthalate	.0523	ug/L		.004	.008	
Acenaphthene		ug/L	<MDL	.004	.008	
Fluorene	.0664	ug/L		.004	.008	
Diethyl Phthalate	.122	ug/L		.006	.012	
Phenanthrene	.0803	ug/L		.004	.008	
Anthracene	.072	ug/L		.004	.008	
Di-N-Butyl Phthalate	.135	ug/L		.004	.008	
Fluoranthene		ug/L	<MDL	.004	.008	
Pyrene	.0924	ug/L		.004	.008	
Benzyl Butyl Phthalate	.136	ug/L		.004	.008	
Benzo(a)anthracene	.0994	ug/L		.004	.008	
Chrysene	.0982	ug/L		.004	.008	
Bis(2-Ethylhexyl)Phthalate	.144	ug/L		.004	.008	
Di-N-Octyl Phthalate		ug/L	<MDL	.006	.012	
Benzo(b)fluoranthene	.111	ug/L		.006	.012	
Benzo(k)fluoranthene	.115	ug/L		.006	.012	
Benzo(a)pyrene	.0971	ug/L		.006	.012	
Indeno(1,2,3-Cd)Pyrene	.108	ug/L		.006	.012	
Dibenzo(a,h)anthracene	.0896	ug/L		.006	.012	
Benzo(g,h,i)perylene	.11	ug/L		.006	.012	
2-Methylnaphthalene		ug/L	<MDL	.006	.012	
d14-Terphenyl	.213	ug/L		.004	.008	
D6-Dimethyl Phthalate	.0813	ug/L		.004	.008	
D8-Acenaphthylene	.0771	ug/L		.004	.008	
D10-Fluorene	.121	ug/L		.004	.008	
D10-Anthracene	.124	ug/L		.004	.008	
D10-Pyrene	.157	ug/L		.004	.008	
D12-Benzo(a)pyrene	.144	ug/L		.004	.008	
Amount Analyzed	5000	ml				
Standard Amount	1000	ml				
Dilution Factor	1	none				
Date Analyzed						12-JAN-06
Operator ID						Dave Fada
Porthandler File						/usr/users/seed2/METROS3/files/gcms/WG83560-2.rp
Instrument ID						6890n.i
Prep Date						05-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
d14-Terphenyl	85	33-141
D6-Dimethyl Phthalate	81	0-150
D8-Acenaphthylene	77	0-150
D10-Fluorene	121	0-150
D10-Anthracene	124	0-150
D10-Pyrene	157 *	0-150
D12-Benzo(a)pyrene	144	0-150

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SEA421843

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 01/23/06 10:14
Run ID: R111698 Workgroup: WG83559 (BL#620 PHPAHSOURCE)

MB:WG83559-1 Matrix: BLANK WTR Listtype: ORPHPAHSOURCE Method: 8270B Project: 423589-090-1 Pkey: STD
(Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Qual
Naphthalene	.008	.016	ug/L	<MDL	
Acenaphthylene	.004	.008	ug/L	<MDL	
Dimethyl Phthalate	.004	.008	ug/L	<MDL	
Acenaphthene	.004	.008	ug/L	<MDL	
Fluorene	.004	.008	ug/L	<MDL	
Diethyl Phthalate	.006	.012	ug/L	.0082	B
Phenanthrene	.004	.008	ug/L	<MDL	
Anthracene	.004	.008	ug/L	<MDL	
Di-N-Butyl Phthalate	.004	.008	ug/L	.0265	B
Fluoranthene	.004	.008	ug/L	<MDL	
Pyrene	.004	.008	ug/L	<MDL	
Benzyl Butyl Phthalate	.004	.008	ug/L	.0108	B
Benzo(a)anthracene	.004	.008	ug/L	<MDL	
Chrysene	.004	.008	ug/L	<MDL	
Bis(2-Ethylhexyl)Phthalate	.004	.008	ug/L	.0423	B
Di-N-Octyl Phthalate	.006	.012	ug/L	<MDL	
Benzo(b)fluoranthene	.006	.012	ug/L	<MDL	
Benzo(k)fluoranthene	.006	.012	ug/L	<MDL	
Benzo(a)pyrene	.006	.012	ug/L	<MDL	
Indeno(1,2,3-Cd)Pyrene	.006	.012	ug/L	<MDL	
Dibenzo(a,h)anthracene	.006	.012	ug/L	<MDL	
Benzo(g,h,i)perylene	.006	.012	ug/L	<MDL	
2-Methylnaphthalene	.006	.012	ug/L	<MDL	

SBD:WG83559-4 SB:WG83559-2 MB:WG83559-1 Matrix: BLANK WTR Listtype: ORPHPAHSOURCE Method: 8270B Project: 423589-090-1 Pkey: STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Truevalue	SB Value	% Rec.	Qual	LabLimit	Truevalue	SBD Value	% Rec.	Qual	LabLimit	RPD	Qual	LabLimit
Acenaphthylene	.004	.008	ug/L	<MDL	0.100	.0411	41		10-150	0.100	.0386	39		10-150	5		100
Dimethyl Phthalate	.004	.008	ug/L	<MDL	0.100	.0454	45		10-150	0.100	.0523	52		10-150	14		100
Fluorene	.004	.008	ug/L	<MDL	0.100	.0679	68		10-150	0.100	.0664	66		10-150	3		100
Diethyl Phthalate	.006	.012	ug/L	.0082	0.100	.112	104		10-150	0.100	.122	113		10-150	8		100
Phenanthrene	.004	.008	ug/L	<MDL	0.100	.0812	81		10-150	0.100	.0803	80		10-150	1		100
Anthracene	.004	.008	ug/L	<MDL	0.100	.0734	73		10-150	0.100	.072	72		10-150	1		100
Di-N-Butyl Phthalate	.004	.008	ug/L	.0265	0.100	.135	108		10-150	0.100	.135	109		10-150	1		100
Pyrene	.004	.008	ug/L	<MDL	0.100	.0947	95		10-150	0.100	.0924	92		10-150	3		100
Benzyl Butyl Phthalate	.004	.008	ug/L	.0108	0.100	.14	130		10-150	0.100	.136	125		10-150	4		100
Benzo(a)anthracene	.004	.008	ug/L	<MDL	0.100	.1	100		10-150	0.100	.0994	99		10-150	1		100
Chrysene	.004	.008	ug/L	<MDL	0.100	.1	100		10-150	0.100	.0982	98		10-150	2		100
Bis(2-Ethylhexyl)Phthalate	.004	.008	ug/L	.0423	0.100	.154	112		10-150	0.100	.144	101		10-150	10		100
Benzo(b)fluoranthene	.006	.012	ug/L	<MDL	0.100	.116	116		10-150	0.100	.111	111		10-150	4		100
Benzo(k)fluoranthene	.006	.012	ug/L	<MDL	0.100	.118	118		10-150	0.100	.115	115		10-150	3		100
Benzo(a)pyrene	.006	.012	ug/L	<MDL	0.100	.0989	99		10-150	0.100	.0971	97		10-150	2		100
Indeno(1,2,3-Cd)Pyrene	.006	.012	ug/L	<MDL	0.100	.12	120		10-150	0.100	.108	108		10-150	11		100
Dibenzo(a,h)anthracene	.006	.012	ug/L	<MDL	0.100	.12	120		10-150	0.100	.0896	90		10-150	29		100
Benzo(g,h,i)perylene	.006	.012	ug/L	<MDL	0.100	.116	116		10-150	0.100	.11	110		10-150	5		100

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SEA421844

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 01/23/06 10:14
Run ID: R111698 Workgroup: WG83559 (BL#620 PHPAHSOURCE)

MB:WG83559-3 Matrix: BLANK WTR Listtype: ORPHPAHSOURCE Method: 8270B Project: 423589-090-1 Pkey: STD
(Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Qual
Naphthalene	.008	.016	ug/L	<MDL	
Acenaphthylene	.004	.008	ug/L	<MDL	
Dimethyl Phthalate	.004	.008	ug/L	<MDL	
Acenaphthene	.004	.008	ug/L	<MDL	
Fluorene	.004	.008	ug/L	<MDL	
Diethyl Phthalate	.006	.012	ug/L	.0062	B
Phenanthrene	.004	.008	ug/L	<MDL	
Anthracene	.004	.008	ug/L	<MDL	
Di-N-Butyl Phthalate	.004	.008	ug/L	.0254	B
Fluoranthene	.004	.008	ug/L	<MDL	
Pyrene	.004	.008	ug/L	<MDL	
Benzyl Butyl Phthalate	.004	.008	ug/L	.00941	B
Benzo(a)anthracene	.004	.008	ug/L	<MDL	
Chrysene	.004	.008	ug/L	<MDL	
Bis(2-Ethylhexyl)Phthalate	.004	.008	ug/L	.0403	B
Di-N-Octyl Phthalate	.006	.012	ug/L	<MDL	
Benzo(b)fluoranthene	.006	.012	ug/L	<MDL	
Benzo(k)fluoranthene	.006	.012	ug/L	<MDL	
Benzo(a)pyrene	.006	.012	ug/L	<MDL	
Indeno(1,2,3-Cd)Pyrene	.006	.012	ug/L	<MDL	
Dibenzo(a,h)anthracene	.006	.012	ug/L	<MDL	
Benzo(g,h,i)perylene	.006	.012	ug/L	<MDL	
2-Methylnaphthalene	.006	.012	ug/L	<MDL	

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SEA421845

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 01/23/06 10:14
Run ID: R111698 Workgroup: WG83559 (BL#620 PHPAHSOURCE)

Sample #	d14-Terphenyl	D6-Dimethyl Phtha-late	D8-Acenaphthylene	D10-Fluorene	D10-Anthracene	D10-Pyrene	D12-Benzo(a)pyrene
(Lab Limits)	33-141	0-150	0-150	0-150	0-150	0 150	0-150
L37677-1	103	55	0 *	11	0 *	42	18
L37677-2	123	52	0 *	6 *	0 *	12	82
L37677-3	103	75	4 *	7 *	5 *	64	22
L37677-4	102	47	6 *	9 *	0 *	67	55
L37677-5	105	49	0 *	8 *	0 *	49	72
WG83559-1	89	65	77	96	114	156 *	145
WG83559-2	91	69	79	118	121	158 *	141
WG83559-3	86	69	78	100	119	161 *	150
WG83559-4	85	81	77	121	124	157 *	144

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SEA421846

Batch: \\Orgizmo\EE\chem\6890n.i\060112.b

#	Smp. #	Injection Time	Wkgp. #	QC #	Project #	Sample Description	Matrix	Amount	DilFac	IS#2-RT	IS#2-Area	Method	Init Cali	Analyst
1	DFTPP-1	12-JAN-2006 06:14	SDGa2816	SDGa28	421152	SS#1087A DFTPP	NONE	0.000	1.0	12.982	148032	LVI_DFTP.m		Dave Fada
2	CCALI-1	12-JAN-2006 06:45	SDGa1658	SDGa16	421152	SS#1120E 250 ppb	WATER	1.000	1.0	6.870	393122	phpah.m	06-JAN-2006	Dave Fada
3	WG83559-1	12-JAN-2006 08:10	WG83559	BL#620	423589	Method Blank (12-05-2005)	WATER	5000.000	1.0	6.870	238536	PHPAH.m	06-JAN-2006	Dave Fada
4	WG83560-1	12-JAN-2006 08:52	WG83560	BL#620	423589	Method Blank (12-06-2005)	WATER	5000.000	1.0	6.869	265441	PHPAH.m	06-JAN-2006	Dave Fada
5	WG83559-2	12-JAN-2006 09:34	WG83559	BL#620	423589	Spike Blank	WATER	5000.000	1.0	6.869	232459	PHPAH.m	06-JAN-2006	Dave Fada
6	WG83560-2	12-JAN-2006 10:16	WG83560	BL#620	423589	Spike Blank Dup	WATER	5000.000	1.0	6.870	242865	PHPAH.m	06-JAN-2006	Dave Fada
7	L37677-4	12-JAN-2006 10:56	WG83559	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5550.000	10.0	6.869	358693	PHPAH.m	06-JAN-2006	Dave Fada
8	L37677-5	12-JAN-2006 11:37	WG83559	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5470.000	10.0	6.869	400204	PHPAH.m	06-JAN-2006	Dave Fada
9	L37677-1	12-JAN-2006 12:19	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5590.000	10.0	6.869	520154	PHPAH.m	06-JAN-2006	Dave Fada
10	L37677-2	12-JAN-2006 13:01	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5340.000	10.0	6.870	522364	PHPAH.m	06-JAN-2006	Dave Fada
11	L37677-3	12-JAN-2006 13:42	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5270.000	10.0	6.870	621257	PHPAH.m	06-JAN-2006	Dave Fada
12	L37677-4X	12-JAN-2006 14:24	WG83559	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5550.000	1.0	6.879	317357	PHPAH.m	06-JAN-2006	Dave Fada
13	L37677-5X	12-JAN-2006 15:05	WG83559	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5470.000	1.0	6.879	443238	PHPAH.m	06-JAN-2006	Dave Fada
14	L37677-1X	12-JAN-2006 15:47	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5590.000	1.0	6.879	530960	PHPAH.m	06-JAN-2006	Dave Fada
15	L37677-2X	12-JAN-2006 16:28	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5340.000	1.0	6.888	611467	PHPAH.m	06-JAN-2006	Dave Fada
16	L37677-3X	12-JAN-2006 17:10	WG83560	BL#620	423589	Lower Duwamish Phthalate Stu	WATER	5270.000	1.0	6.888	503958	PHPAH.m	06-JAN-2006	Dave Fada
17	BLANK-1	12-JAN-2006 17:51	SDGa1658	SDGa16	423589	Solvent Blank	WATER	1000.000	1.0	6.888	552371	PHPAH.m	06-JAN-2006	Dave Fada
18	CCALI-2	12-JAN-2006 18:33	SDGa1658	SDGa16	421152	SS#1120E 250 ppb	WATER	1.000	1.0	6.879	640512	PHPAH.m	06-JAN-2006	Dave Fada

Samples: 10 **QC Samples + Misc.:** 5 **ContinuingCals:** 2 **Tunes:** 1 **Calibrations:** 0

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```
   Sequence Name: C:\msdchem\1\sequence\060112.S
         Comment:
        Operator: Dave Fada
       Data Path: C:\MSDCHEM\1\DATA\060112\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

   Method Sections To Run      On A Barcode Mismatch
    (X) Full Method              (X) Inject Anyway
    ( ) Reprocessing Only        ( ) Don't Inject

   ---------------------------------------------------------------------
   Line                   Sample Name/Misc Info
   ---------------------------------------------------------------------
   1   Type: Tune         SS#1087A DFTPP
       Vial: 1            DFTPP 0.5 ug/ml 20 ul injection
       Method   : LVI_DFTP.M
       Datafile: DFTPP-1.D
       Bar Code: 421152            Samp Amt: 1          Multiplr: 1
       Matrix           :Method Default   Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   2   Type: Cont.Cal     SS#1120E 250 ppb
       Vial: 2            Phthalate/PAH 250 ppb 20 ul injection
       Method   : PHPAH.M
       Datafile: CCALI-1.D
       Bar Code: 421152            Samp Amt: 1          Multiplr: 1
       Matrix           :Method Default   Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   3   Type: Blank        Method Blank (12-05-2005)
       Vial: 3            WG83559;BL#620;SS#969x200;SS#1057/1066
       Method   : PHPAH.M
       Datafile: WG83559-1.D
       Bar Code: 423589            Samp Amt: 5000       Multiplr: 1
       Matrix           :Liquid           Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   4   Type: Blank        Method Blank (12-06-2005)
       Vial: 4            WG83560;BL#620;SS#969x200;SS#1057/1066
       Method   : PHPAH.M
       Datafile: WG83560-1.D
       Bar Code: 423589            Samp Amt: 5000       Multiplr: 1
       Matrix           :Liquid           Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   5   Type: SB           Spike Blank
       Vial: 5            WG83559;BL#620;SS#969x200;SS#1057/1066
       Method   : PHPAH.M
       Datafile: WG83559-2.D
       Bar Code: 423589            Samp Amt: 5000       Multiplr: 1
       Matrix           :Liquid           Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   6   Type: SBD          Spike Blank Dup
       Vial: 6            WG83560;BL#620;SS#969x200;SS#1057/1066
       Method   : PHPAH.M
       Datafile: WG83560-2.D
       Bar Code: 423589            Samp Amt: 5000       Multiplr: 1
       Matrix           :Liquid           Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   7   Type: Sample       Lower Duwamish Phthalate Studies
       Vial: 7            WG83559;BL#620;SS#969x200;SS#1057/1066
       Method   : PHPAH.M
       Datafile: L37677-4.D
       Bar Code: 423589            Samp Amt: 5550       Multiplr: 10
       Matrix           :Liquid           Sublist         :Method Default
       Spikelist        :Method Default   Re-inject       :No
   ---------------------------------------------------------------------
   8   Type: Sample       Lower Duwamish Phthalate Studies

   Sequence Last Modified  Fri Jan 13 08:13:41 2006        Page: 1
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SEA421848

```
    Vial: 8            WG83559;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-5.D
    Bar Code: 423589            Samp Amt: 5470        Multiplr: 10
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
9   Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 9            WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-1.D
    Bar Code: 423589            Samp Amt: 5590        Multiplr: 10
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
10  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 10           WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-2.D
    Bar Code: 423589            Samp Amt: 5340        Multiplr: 10
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
11  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 11           WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-3.D
    Bar Code: 423589            Samp Amt: 5270        Multiplr: 10
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
12  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 12           WG83559;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-4X.D
    Bar Code: 423589            Samp Amt: 5550        Multiplr: 1
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
13  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 13           WG83559;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-5X.D
    Bar Code: 423589            Samp Amt: 5470        Multiplr: 1
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
14  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 14           WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-1X.D
    Bar Code: 423589            Samp Amt: 5590        Multiplr: 1
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
15  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 15           WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-2X.D
    Bar Code: 423589            Samp Amt: 5340        Multiplr: 1
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
16  Type: Sample       Lower Duwamish Phthalate Studies
    Vial: 16           WG83560;BL#620;SS#969x200;SS#1057/1066
    Method   : PHPAH.M
    Datafile: L37677-3X.D
    Bar Code: 423589            Samp Amt: 5270        Multiplr: 1
    Matrix            :Liquid            Sublist          :Method Default
    Spikelist         :Method Default    Re-inject        :No
-----------------------------------------------------------------------
17  Type: Blank        Solvent Blank
    Vial: 17           MeCl2 Solvent Blank 20 ul injection
    Method   : PHPAH.M
```

```
    Datafile: BLANK-1.D
    Bar Code: 423589            Samp Amt: 1000       Multiplr: 1
    Matrix          :Liquid           Sublist          :Method Default
    Spikelist       :Method Default   Re-inject        :No
-----------------------------------------------------------------------
18  Type: Cont.Cal    SS#1120E 250 ppb
    Vial: 18          Phthalate/PAH 250 ppb 20 ul injection
    Method  : PHPAH.M
    Datafile: CCALI-2.D
    Bar Code: 421152            Samp Amt: 1          Multiplr: 1
    Matrix          :Method Default   Sublist          :Method Default
    Spikelist       :Method Default   Re-inject        :No
-----------------------------------------------------------------------
19  Type: Blank
    Vial: 1
    Method  : LAST.M
    Datafile:
    Bar Code:                   Samp Amt: 0          Multiplr: 0
    Matrix          :Method Default   Sublist          :Method Default
    Spikelist       :Method Default   Re-inject        :No
-----------------------------------------------------------------------
```

Acetone Lot # 054360

LIQUID SAMPLE EXTRACTION RECORD FOR BNA ANALYSIS

Samples - Round 2

TRACE ORGANICS LABORATORY

MeCL2 Lot # CP072
QC BATCH NO.: BL #620 PHPAHSOURCE via SPE
EPA SW-846 EXTRACTION METHOD:
CONT. L-L EPA 3520 SEP. FUNNEL EPA 3510

WORKGROUP NO.: WG83559, WG83560
BNA SURROGATE SPIKE: 1057 + 1066 (DMLs)
BNA MATRIX SPIKE: 1073

Date/ Analyst	Sample Number	Project Number	Sample Description	coc	pH	Initial Amt. (ml)	Spike Amount (ul)	Vf (ml)	Conc. Anlyst	Turn Over Date	Comments	
JG 12/05/05	WG83559-1	QC	MB		6	5000	1057-100µl 1066-25µl	1.0	JG	01/11/06	*Added 25 ml MeOH SPE Lot Y20420	22.0
	WG83559-2	QC	SB		6	5000	1057-100µl 1066-25µl 1073-50µl	1.0	JG	01/11/06	*Added 25 ml MeOH SPE Lot Y20420	19.0
											* WG83559, -2 used "filmy" pickle jar	
	L37677-5	423589-090-1	KCDA-01-110805-113005		5	5470	1057-100µl 1066-25µl*	1.0	JG	01/11/06	*Added 27 ml MeOH SPE Lot A46441	25.5
	L37677-4	423589-090-1	SPLC-01-110805-113005		5	5550	1057-100µl 1066-25µl*	1.0	JG	01/11/06	*Added 28 ml MeOH SPE Lot A46441	25.0
JG 12/06/05	WG83560-1	QC	MB		6	5000	1057-100µl 1066-25µl	1.0	JG	01/11/06	*25 ml MeOH SPE Lot B40417	18.0
	WG83560-2	QC	SBD		6	5000	1057-100µl 1066-25µl 1073-50µl	1.0	JG	01/11/06	*25 ml MeOH SPE Lot B40417	19.0
	L37677-3	423589-090-1	BW-01-110805-113005		5	5270	1057-100µl 1066-25µl*	1.0	JG	01/11/06	*~~26~~ 26 ml MeOH (JG 12/06/05) SPE Lot B40417	* 57.5
	L37677-2	↓	CE-01-110805-113005		5	5340	↓	1.0	JG	↓	*26 ml MeOH SPE Lot B40417	19.0
	L37677-1	↓	DZ-110805-113005 DZ-01-110805-113005		5	5590	↓	1.0	JG	↓	*28 ml MeOH SPE Lot B40417	20.5
											non-QC JG 01/11/06	
											* All samples spiked with 25 µl std 1066 (DMLs) pre-deplorment	

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SEA421851

6890n DILUTION LOG

King County Environmental Laboratory

Date & Initials	Sample Name/ Sample Number	Extract Vol Used (ml)	Final Vol	Dil Fac	IS #	Additional IS (ul)	Total IS (ul)
1-12-06 DJ	L37677-1	0.1 ml	1.0 ml	10x	SS#969x200	18 µl	20 µl
1-12-06 DJ	L37677-2	0.1 ml	1.0 ml	10x	SS#969x200	18 µl	20 µl
1-12-06 DJ	L37677-3	0.1 ml	1.0 ml	10x	SS#969x200	18 µl	20 µl
1-12-06 DJ	L37677-4	0.1 ml	1.0 ml	10x	SS#969x200	18 µl	20 µl
1-12-06 DJ	L37677-5	0.1 ml	1.0 ml	10x	SS#969x200	18 µl	20 µl

6890n MAINTENANCE LOG

King County Environmental Laboratory

Date & Initials	Maintenance Description
01-13-06 DJ	Installed new septum and liner

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SEA421852

Trace Organics Data Anomaly Form

Date(s) Occurred: *01-12-2006*

WG #(s): *83559*

☐ **All samples in WKGP(s) or Sample #(s):** *WG83559-1,2,3,4 & L37677-1,2,3,4*

Project #(s): *423589-090-1*

Matrix: ☒ **Liquid** ☐ **Solid** ☐ **Air** ☐ **Tissue** ☐ **Calibration** ☐ **Other:**

I. Analysis/Extraction

☐ BNA	☐ BNALL	☐ EDC	☐ EDC-LVI
☐ CLPESTPCB	☐ PEST	☐ PCB	☐ OPPEST
☐ VOA-GCMS	☐ NWTPH-GX	☐ NWTPH-DX	☐ NWTPH-HCID
☐ BUTYL TIN	☐ AIRTOX	☐ AIR-SULFUR	
☒ Other: *PHPAH*			
☐ Subcontracted:			

II. Instrument

GC/ICP/MS:	☐ P
GC/MS:	☐ D ☐ E ☐ J ☐ K ☐ L ☐ M ☒ N
GC:	☐ F ECD ☐ G ECD ☐ H FID ☐ H OI4450PID/FID ☐ I FID
Extraction/Cleanup:	☐ PFE ☐ GPC ☐ Other:

III. Type of Sample/Analytical Anomaly

☒ Values Outside of Control Limits:

1 ☐ Blank Contamination	8 ☐ Surrogate Spike Recoveries
2 ☐ SB/SBD Spike Recoveries	9 ☐ SB/SBD RPD
3 ☐ MS/MSD Spike Recoveries	10 ☐ MS/MSD RPD
4 ☐ LCS/SRM Recoveries	11 ☐ Sample/LD RPD
5 ☐ Initial Calibration	12 ☐ Continuing Calibration Checks
6 ☐ Performance Checks	13 ☐ Tuning Criteria
7 ☒ ISTD % Differences	

14 ☐ Holding time exceeded by:
15 ☐ Insufficient sample amount.
16 ☐ Inappropriate storage, container or preservation.
17 ☐ Other

Anomaly Description: *Area counts for ISTD1 (1,4-Dichlorobenzene-d4) failed QA/QC acceptance limits in samples WG83559-1,2,3,4 and in L37677-4. Area counts for ISTD5 (Chrysene-d12) failed QA/QC acceptance limits in sample L37677-2. Area counts for ISTD6 (Perylene-d12) failed QA/QC acceptance limits in samples L37677-1,3. Upon analysis of 10x dilutions, Internal Standard area counts for all samples (L37677-1,2,3,4,5) passed QA/QC acceptance limits.*

IV. Type of Project Anomaly

- ☐ SAP/Work Plan specified MDLs not met.
- ☐ SAP/Work Plan specified QC frequency or QC type not met.
- ☐ SAP/Work Plan specified methodology not used.
- ☐ Sample exceeds regulatory and/or hazardous waste limits.
- ☐ Sample data results are unusual or inconsistent with expected results.
- ☐ Other

Anomaly Description: *NA*

V. Corrective Action Taken

- ☐ Sample(s) re-analyzed
- ☐ Sample(s) re-prepared and re-analyzed
- ☒ Sample(s) reported "AS IS"
- ☐ Data qualified with the following flags:
- ☐ Other

Corrective Action Description:

VI. Potential Effects on Data Quality

Based upon the expected performance of this method:

- ☐ It is likely the observed anomaly influenced the reported value(s).
- ☒ It is unlikely the observed anomaly influenced the reported value(s).
- ☐ The observed anomaly may have influenced the reported value(s).
- ☐ It is unknown whether or not the observed anomaly affected the reported value(s).

Explanation:

	Signatures	Signature Dates
Reported By: *Dave Fada*	Dave Fada	1/23/2006
Reviewer: *Mike Doubrava*	[illegible]	1/24/06
Supervisor: *Dana Walker*	Dana M Walker	1/23/06
QA Officer: *Colin Elliott* (For QA1 only)		
cc: LPM:		

A/M
12/21/05
M

King County Environmental Laboratory

WORK GROUP REPORT (wk02)

Dec 16 2005, 09:03 am

Work Group: WG83637 (PHPAHWIPE) for Department: 7 - Organics, Trace

Created: 16-DEC-05 PrepDate: 16-DEC-05 Due: Operator: MCD

Sample	Project Number	Project Description	PKey	C	Product	Matrix	Stat	UA	Workdate	Duedate
L37449-1	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	21-NOV-05	07-DEC-05
L37449-2	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	21-NOV-05	07-DEC-05
L37449-3	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	21-NOV-05	07-DEC-05
L37449-4	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	21-NOV-05	07-DEC-05
L37449-5	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	21-NOV-05	07-DEC-05
L37677-10	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	14-DEC-05	30-DEC-05
L37677-6	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	14-DEC-05	30-DEC-05
L37677-7	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	14-DEC-05	30-DEC-05
L37677-8	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	14-DEC-05	30-DEC-05
L37677-9	423589-090-1	Lower Duwamish Phthalate Studies		S	PHPAHWIPE	OTHR SOLID	WKGP	U	14-DEC-05	30-DEC-05
WG83637-1	MB			S	PHPAHWIPE	OTHR SOLID	WKGP	U	16-DEC-05	
WG83637-2	MB			S	PHPAHWIPE	OTHR SOLID	WKGP	U	16-DEC-05	

Comments:

L37677-10	wipes
L37677-6	wipes
L37677-7	wipes
L37677-8	wipes
L37677-9	wipes
WG83637-1	FILTER PAPER BLANK BEFORE DEPLOY
WG83637-2	FILTER PAPER BLANK AFTER DEPLOY

KCSlip4 55527

SEA421855

SOLID AND TISSUE SAMPLE EXTRACTION RECORD FOR BNA ANALYSIS
TRACE ORGANICS LABORATORY

QC BATCH NO.: BS 203 1:1 Acetone:MeCl2

EPA SW-846 EXTRACTION METHOD:

SONICATION EPA 3550 SOXHLET EPA 3540

WORKGROUP NO.:

BNA SURROGATE SPIKE I.D.#: 1193

BNA MATRIX SPIKE I.D.#:

Coprostanol:

Caffeine:

Date/ Analyst	Sample Number	Project Number	Sample Description	coc	Init. Amt (g)	Spike Amount (uL)	Vf (mL)	Clean ups (GPC)	Conc. Anal.	Turn Over Date	Comments
12/16/05	WG83637	-1	Filter Blank			50uL	.5				Before deploy
MO	L	-2	Filter Blank								After deploy
	L37449	-1	Funnel wipes Blanks								Before deploy
		-2									
		-3									
		-4									
		-5									
	L37677	-6	Funnel wipes								After deploy
		-7									
		-8									possible double spiked
		-9									
		-10									

(1) Filter paper pre-cleaned with MeCl2 prior to use/extract

(2) Funnel wipes X2 with MeCl2 soaked filter paper

(3) Filter paper extracted X3 with MeCl2 (50mL) on sonic bath, concentrated to 0.5mL

KCSlip4 55528

SEA421856

A/M
12/21/05
MMO

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 12/21/05 06:24
Run ID: R111331 Workgroup: WG83637 (PHPAHWIPE)

MB:WG83637-1 Matrix: OTHR SOLID Listtype: ORPHPAHWIPE Method: 8270D-WIPETEST Project: 423589-090-1 Pkey: STD
(Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Qual
Naphthalene	.01	.02	ug	<MDL	
Acenaphthylene	.005	.01	ug	<MDL	
Dimethyl Phthalate	.025	.05	ug	<MDL	
Acenaphthene	.005	.01	ug	<MDL	
Fluorene	.005	.01	ug	<MDL	
Diethyl Phthalate	.025	.05	ug	.0568	B
Phenanthrene	.005	.01	ug	<MDL	
Anthracene	.005	.01	ug	<MDL	
Di-N-Butyl Phthalate	.025	.05	ug	.109	B
Fluoranthene	.005	.01	ug	<MDL	
Pyrene	.005	.01	ug	<MDL	
Benzyl Butyl Phthalate	.025	.05	ug	<MDL	
Benzo(a)anthracene	.005	.01	ug	<MDL	
Chrysene	.005	.01	ug	<MDL	
Bis(2-Ethylhexyl)Phthalate	.025	.05	ug	.103	B
Di-N-Octyl Phthalate	.025	.05	ug	<MDL	
Benzo(b)fluoranthene	.01	.02	ug	<MDL	
Benzo(k)fluoranthene	.01	.02	ug	<MDL	
Benzo(a)pyrene	.01	.02	ug	<MDL	
Indeno(1,2,3-Cd)Pyrene	.01	.02	ug	<MDL	
Dibenzo(a,h)anthracene	.01	.02	ug	<MDL	
Benzo(g,h,i)perylene	.01	.02	ug	<MDL	
2-Methylnaphthalene	.005	.01	ug	<MDL	

MB:WG83637-2 Matrix: OTHR SOLID Listtype: ORPHPAHWIPE Method: 8270D-WIPETEST Project: 423589-090-1 Pkey: STD
(Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Qual
Naphthalene	.01	.02	ug	<MDL	
Acenaphthylene	.005	.01	ug	<MDL	
Dimethyl Phthalate	.025	.05	ug	<MDL	
Acenaphthene	.005	.01	ug	<MDL	
Fluorene	.005	.01	ug	<MDL	
Diethyl Phthalate	.025	.05	ug	.0554	B
Phenanthrene	.005	.01	ug	<MDL	
Anthracene	.005	.01	ug	<MDL	
Di-N-Butyl Phthalate	.025	.05	ug	.119	B
Fluoranthene	.005	.01	ug	<MDL	
Pyrene	.005	.01	ug	<MDL	
Benzyl Butyl Phthalate	.025	.05	ug	<MDL	
Benzo(a)anthracene	.005	.01	ug	<MDL	
Chrysene	.005	.01	ug	<MDL	
Bis(2-Ethylhexyl)Phthalate	.025	.05	ug	.0844	B
Di-N-Octyl Phthalate	.025	.05	ug	<MDL	
Benzo(b)fluoranthene	.01	.02	ug	<MDL	
Benzo(k)fluoranthene	.01	.02	ug	<MDL	
Benzo(a)pyrene	.01	.02	ug	<MDL	
Indeno(1,2,3-Cd)Pyrene	.01	.02	ug	<MDL	
Dibenzo(a,h)anthracene	.01	.02	ug	<MDL	
Benzo(g,h,i)perylene	.01	.02	ug	<MDL	

KCSlip4 55529
SEA421857

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 12/21/05 06:24
Run ID: R111331 Workgroup: WG83637 (PHPAHWIPE)

MB:WG83637-2 Matrix: OTHR SOLID Listtype: ORPHPAHWIPE Method: 8270D-WIPETEST Project: 423589-090-1 Pkey: STD
(Method Blank)

Parameter	Mdl	Rdl	Units	MB Value	Qual
2-Methylnaphthalene	.005	.01	ug	<MDL	

KCSlip4 55530
SEA421858

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab QC Report - 12/21/05 06:24
Run ID: R111331 Workgroup: WG83637 (PHPAHWIPE)

Sample #	2-Fluorobiphenyl	d14-Terphenyl
(Lab Limits)	30-115	18-137
L37449-1	63	92
L37449-2	65	97
L37449-3	70	86
L37449-4	74	95
L37449-5	74	98
L37677-6	78	90
L37677-7	68	94
L37677-8	71	89
L37677-9	64	89
L37677-10	73	89
WG83637-1	70	83
WG83637-2	64	96

KCSlip4 55531
SEA421859

```
   Sequence Name: C:\MSDChem\1\sequence\051220.S
         Comment:
        Operator:
       Data Path: C:\MSDChem\1\data\051220\
Top                    Pre-Seq Cmd:
Instrument Control     Pre-Seq Cmd:
Data Analysis          Pre-Seq Cmd:

Top                   Post-Seq Cmd:
Instrument Control    Post-Seq Cmd:
Data Analysis         Post-Seq Cmd:

   Method Sections To Run      On A Barcode Mismatch
    (X) Full Method              (X) Inject Anyway
    ( ) Reprocessing Only        ( ) Don't Inject

   ----------------------------------------------------------------------
   Line                        Sample Name/Misc Info
 1)  Sample          1  COND-01  8270B1   COND
 2)  Inst. Blk       2  BLANK-01 8270B1   MECL2
 3)  Tune            3  DFTPP-1  DFTPP    10 NG/UL DFTPP MIX
 4)  Sample          4  CCALI-01 8270B1   SS#1188 D 6.00 PPM BNA STD
 5)  Inst. Blk       2  BLANK-02 8270B1   MECL2
 6) Blank            5
     Datafile           WG83637-1
     Method             8270B1
 7) Blank            6
     Datafile           WG83637-2
     Method             8270B1
 8)  Sample          7  CCALI-02 8270B1   SS#1188 H 0.200 PPM BNA STD
 9)  Sample          8  CCALI-03 8270B1   SS#1188 G 0.500 PPM BNA STD
10)  Sample          9  CCALI-04 8270B1   SS#1188 F 1.00 PPM BNA STD
11)  Sample         10  L37449-1 8270B1   L37449-1 FUNNEL BLANK OF L376
12)  Sample         11  L37449-2 8270B1   L37449-2 FUNNEL BLANK OF L376
13)  Sample         12  L37449-3 8270B1   L37449-3 FUNNEL BLANK OF L376
14)  Sample         13  L37449-4 8270B1   L37449-4 FUNNEL BLANK OF L376
15)  Sample         14  L37449-5 8270B1   L37449-5 FUNNEL BLANK OF L376
16)  Sample         15  L37677-6 8270B1   L37677-6 FUNNEL WIPE
17)  Sample         16  L37677-7 8270B1   L37677-7 FUNNEL WIPE
18)  Sample         17  L37677-8 8270B1   L37677-8 FUNNEL WIPE
19)  Sample         18  L37677-9 8270B1   L37677-9 FUNNEL WIPE
20) Sample          19
     Datafile           L37677-10
     Method             8270B1
```


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SEA421860

Batch: \\orgizmo\EE\chem\6890j.i\051220.b

#	Smp. #	Injection Time	Wkgp. #	QC #	Project #	Sample Description	Matrix	Amount	DilFac	IS#2-RT	IS#2-Area	Method	Init Cali	Analyst
1	COND-01	20-DEC-2005 05:58	SDGa0226	SDGa02		COND	NONE	0.000	1.0	8.465	145	8270b1.m	29-NOV-2005	M.Doubrava
2	BLANK-01	20-DEC-2005 06:39	SDGa0226	SDGa02		MECL2	NONE	0.000	1.0	0.000	0	8270b1.m	29-NOV-2005	M.Doubrava
3	DFTPP-1	20-DEC-2005 07:21	SDGa0971	SDGa09		10 NG/UL DFTPP MIX	NONE	0.000	1.0	13.416	348416	DFTPP.m		M.Doubrava
4	CCALI-01	20-DEC-2005 07:55	SDGa0226	SDGa02		SS#1188 D 6.00 PPM BNA STD	NONE	0.000	1.0	8.583	582286	8270b1.m	29-NOV-2005	M.Doubrava
5	BLANK-02	20-DEC-2005 08:35	SDGa0226	SDGa02		MECL2	SOIL	0.000	1.0	0.000	0	8270b1.m	29-NOV-2005	M.Doubrava
6	WG83637-1	20-DEC-2005 09:16	WG83637	BS#203		WG83637-1 FILTER BLANK #1	SOIL	1.000	0.5	8.583	493624	8270b1.m	29-NOV-2005	M.Doubrava
7	WG83637-2	20-DEC-2005 10:03	WG83637	BS#203		WG83637-2 FILTER BLANK #2	SOIL	1.000	0.5	8.583	344488	8270b1.m	29-NOV-2005	M.Doubrava
8	CCALI-02	20-DEC-2005 10:43	SDGa0226	SDGa02		SS#1188 H 0.200 PPM BNA STD	SOIL	0.000	1.0	8.583	434918	8270b1.m	29-NOV-2005	M.Doubrava
9	CCALI-03	20-DEC-2005 11:24	SDGa0226	SDGa02		SS#1188 G 0.500 PPM BNA STD	SOIL	0.000	1.0	8.583	608038	8270b1.m	29-NOV-2005	M.Doubrava
10	CCALI-04	20-DEC-2005 12:04	SDGa0226	SDGa02		SS#1188 F 1.00 PPM BNA STD	SOIL	0.000	1.0	8.583	527838	8270b1.m	29-NOV-2005	M.Doubrava
11	L37449-1	20-DEC-2005 12:45	WG83637	BS#203		L37449-1 FUNNEL BLANK OF L37	SOIL	1.000	0.5	8.583	523380	8270b1.m	29-NOV-2005	M.Doubrava
12	L37449-2	20-DEC-2005 13:25	WG83637	BS#203		L37449-2 FUNNEL BLANK OF L37	SOIL	1.000	0.5	8.583	458683	8270b1.m	29-NOV-2005	M.Doubrava
13	L37449-3	20-DEC-2005 14:06	WG83637	BS#203		L37449-3 FUNNEL BLANK OF L37	SOIL	1.000	0.5	8.583	318750	8270b1.m	29-NOV-2005	M.Doubrava
14	L37449-4	20-DEC-2005 14:46	WG83637	BS#203		L37449-4 FUNNEL BLANK OF L37	SOIL	1.000	0.5	8.583	389280	8270b1.m	29-NOV-2005	M.Doubrava
15	L37449-5	20-DEC-2005 15:27	WG83637	BS#203		L37449-5 FUNNEL BLANK OF L37	SOIL	1.000	0.5	8.583	570755	8270b1.m	29-NOV-2005	M.Doubrava
16	L37677-6	20-DEC-2005 16:07	WG83637	BS#203		L37677-6 FUNNEL WIPE	SOIL	1.000	0.5	8.583	406985	8270b1.m	29-NOV-2005	M.Doubrava
17	L37677-7	20-DEC-2005 16:48	WG83637	BS#203		L37677-7 FUNNEL WIPE	SOIL	1.000	0.5	8.583	394548	8270b1.m	29-NOV-2005	M.Doubrava
18	L37677-8	20-DEC-2005 17:28	WG83637	BS#203		L37677-8 FUNNEL WIPE	SOIL	1.000	0.5	8.583	446930	8270b1.m	29-NOV-2005	M.Doubrava
19	L37677-9	20-DEC-2005 18:09	WG83637	BS#203		L37677-9 FUNNEL WIPE	SOIL	1.000	0.5	8.583	516397	8270b1.m	29-NOV-2005	M.Doubrava
20	L37677-10	20-DEC-2005 18:49	WG83637	BS#203		L37677-10 FUNNEL WIPE	SOIL	1.000	0.5	8.583	379668	8270b1.m	29-NOV-2005	M.Doubrava

Samples: 14 **QC Samples + Misc.: 4** **ContinuingCals: 1** **Tunes: 1** **Calibrations: 0**

Trace Organics Data Anomaly Form

Date(s) Occurred: *12/20/05*

WG #(s): *WG83637*

☒ **All samples in WKGP(s) or Sample #(s):**

Project #(s): *423589-090-001*

Matrix: ☐ **Liquid** ☐ **Solid** ☐ **Air** ☐ **Tissue** ☐ **Calibration** ☒ **Other:** *WIPES*

I. Analysis/Extraction

☐ BNA ☐ BNALL ☐ EDC ☐ EDC-LVI
☐ CLPESTPCB ☐ PEST ☐ PCB ☐ OPPEST
☐ VOA-GCMS ☐ NWTPH-GX ☐ NWTPH-DX ☐ NWTPH-HCID
☐ BUTYL TIN ☐ AIRTOX ☐ AIR-SULFUR
☒ Other: *PHPAHWIPE*
☐ Subcontracted:

II. Instrument

GC/ICP/MS: ☐ P
GC/MS: ☐ D ☐ E ☒ J ☐ K ☐ L ☐ M ☐ N
GC: ☐ F ECD ☐ G ECD ☐ H FID ☐ H OI4450PID/FID
☐ I FID
Extraction/Cleanup: ☐ PFE ☐ GPC
☐ Other:

III. Type of Sample/Analytical Anomaly

☐ Values Outside of Control Limits:

1 ☒ Blank Contamination
2 ☐ SB/SBD Spike Recoveries
3 ☐ MS/MSD Spike Recoveries
4 ☐ LCS/SRM Recoveries
5 ☐ Initial Calibration
6 ☐ Performance Checks
7 ☐ ISTD % Differences
8 ☒ Surrogate Spike Recoveries
9 ☐ SB/SBD RPD
10 ☐ MS/MSD RPD
11 ☐ Sample/LD RPD
12 ☒ Continuing Calibration Checks
13 ☐ Tuning Criteria

14 ☐ Holding time exceeded by:
15 ☐ Insufficient sample amount.
16 ☐ Inappropriate storage, container or preservation.
17 ☐ Other

Anomaly Description:

1 WG83637-1,-2 filter paper blanks. WG83637-1 is associated with samples L37449-1,2,3,4,5 the pre-deployment funnel wipes. WG83637-2 is associated with samples L37677-6,7,8,9,10 the post-deployment wipes.

2. L37677-8 was spike 2 timse with surrogates during extraction.

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ORGJ_DAF051220WG83637

13. Due to the low level goals of this project, the 1.00 PPM BNA STD was used to check the continuing calibration. All targets were within QA/QC limits. Two additional BNA STDs were analyzed to check the curve quantitation (0.500 PPM and 0.200 PPM)

IV. Type of Project Anomaly

- ☐ SAP/Work Plan specified MDLs not met.
- ☐ SAP/Work Plan specified QC frequency or QC type not met.
- ☐ SAP/Work Plan specified methodology not used.
- ☐ Sample exceeds regulatory and/or hazardous waste limits.
- ☐ Sample data results are unusual or inconsistent with expected results.
- ☐ Other

Anomaly Description:

V. Corrective Action Taken

- ☐ Sample(s) re-analyzed
- ☐ Sample(s) re-prepared and re-analyzed
- ☒ Sample(s) reported "AS IS"
- ☒ Data qualified with the following flags: *B*
- ☐ Other

Corrective Action Description:
1. The filter paper blanks had reportable levels of phthalates. For this project, a 3X blank contamination rule is used for assigning "B" flags.
2. The surrogate concentration added was multiplied time 2 and re-calculated. The % recovery was within QA/QC limits.

VI. Potential Effects on Data Quality

Based upon the expected performance of this method:

- ☐ It is likely the observed anomaly influenced the reported value(s).
- ☒ It is unlikely the observed anomaly influenced the reported value(s).
- ☐ The observed anomaly may have influenced the reported value(s).
- ☐ It is unknown whether or not the observed anomaly affected the reported value(s).

Explanation:

	Signatures	Signature Dates
Reported By: *Doubrava*		12/21/05
Reviewer:	Dana M. Walker	12/22/05
Supervisor: *Dana Walker*		
QA Officer: *Colin Elliott* (For QA1 only)		
cc: LPM:		

December 21, 2005
ORGJ_DAF051220WG83637

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: WG83637-1	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:		Run ID:	R111331	Col. Date:
	Locator:	MB	Work Group:	WG83637	Rec. Date: 16-DEC-05
	Site:	NONE	QC Type:	MB	Due Date:
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0568	ug	B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.109	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate		ug	<MDL	.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.103	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.875	ug		.01	.02	
d14-Terphenyl	1.04	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/WG83637-1.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	70	30-115
d14-Terphenyl	83	18-137

KCSlip4 55536

SEA421864

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: WG83637-2	Matrix: OTHR SOLID	List Type: ORPHPAHWIPE			
	Project:	Run ID: R111331		Col. Date:	
	Locator: MB	Work Group: WG83637		Rec. Date:	16-DEC-05
	Site: NONE	QC Type: MB		Due Date:	
	Method Code: 8270D-WIPETEST				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0554	ug	B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.119	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate		ug	<MDL	.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.0844	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.796	ug		.01	.02	
d14-Terphenyl	1.2	ug		.01	.02	

Amount Analyzed	1	g	
Standard Amount	1	g	
Dilution Factor	.5	none	
Date Analyzed			20-DEC-05
Operator ID			M.Doubrava
Porthandler File			/usr/users/seed2/METROS3/files/gcms/WG83637-2.rp
Instrument ID			6890j.i
Prep Date			16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	64	30-115
d14-Terphenyl	96	18-137

KCSlip4 55537

SEA421865

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37449-1	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 07-NOV-05
	Locator:	DZ	Work Group:	WG83637	Rec. Date: 07-NOV-05
	Site:	METRO	QC Type:		Due Date: 07-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0601	ug	B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.121	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate	.159	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.283	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.787	ug		.01	.02	
d14-Terphenyl	1.15	ug		.01	.02	

Amount Analyzed	1	g	
Standard Amount	1	g	
Dilution Factor	.5	none	
Date Analyzed			20-DEC-05
Operator ID			M.Doubrava
Forthandler File			/usr/users/seed2/METRO93/files/gcms/L37449-1.rp
Instrument ID			6890j.i
Prep Date			16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	63	30-115
d14-Terphenyl	92	18-137

KCSlip4 55538

SEA421866

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37449-2	Matrix: OTHR SOLID	List Type: ORPHPAHWIPE			
	Project: 423589-090-1	Run ID: R111331		Col. Date:	07-NOV-05
	Locator: BW	Work Group: WG83637		Rec. Date:	07-NOV-05
	Site: METRO	QC Type:		Due Date:	07-DEC-05
	Method Code: 8270D-WIPETEST				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.058	ug	B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.128	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate	.159	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.218	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.814	ug		.01	.02	
d14-Terphenyl	1.21	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37449-2.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	65	30-115
d14-Terphenyl	97	18-137

KCSlip4 55539

SEA421867

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:58 - Data Source: ELD

Sample#: L37449 3	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 07-NOV-05
	Locator:	CE	Work Group:	WG83637	Rec. Date: 07-NOV-05
	Site:	METRO	QC Type:		Due Date: 07-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate		ug	<MDL,B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.112	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate		ug	<MDL	.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.118	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.874	ug		.01	.02	
d14-Terphenyl	1.08	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37449-3.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	70	30-115
d14-Terphenyl	86	18-137

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:58 - Data Source: ELD

Sample#: L37449-4	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 07-NOV-05
	Locator:	SPCC	Work Group:	WG83637	Rec. Date: 07-NOV-05
	Site:	METRO	QC Type:		Due Date: 07-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate		ug	<MDL,B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.125	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate		ug	<MDL	.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.182	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.921	ug		.01	.02	
d14-Terphenyl	1.19	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37449-4.rp
Instrument ID						6890j.i
Prep Date						15-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	74	30-115
d14-Terphenyl	95	18-137

KCSlip4 55541

SEA421869

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37449-5	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 07-NOV-05
	Locator:	KCIA	Work Group:	WG83637	Rec. Date: 07-NOV-05
	Site:	METRO	QC Type:		Due Date: 07-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0648	ug	B	.025	.05	
Phenanthrene		ug	<MDL	.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.143	ug	B	.025	.05	
Fluoranthene		ug	<MDL	.005	.01	
Pyrene		ug	<MDL	.005	.01	
Benzyl Butyl Phthalate	.152	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.236	ug	B	.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.929	ug		.01	.02	
d14-Terphenyl	1.22	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37449-5.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	74	30-115
d14-Terphenyl	98	18-137

KCSlip4 55542

SEA421870

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37677-6	Matrix: OTHR SOLID	List Type: ORPHPAHWIPE			
	Project: 423589-090-1	Run ID: R111331		Col. Date:	30-NOV-05
	Locator: D2	Work Group: WG83637		Rec. Date:	30-NOV-05
	Site: METRO	QC Type:		Due Date:	30-DEC-05
	Method Code: 8270D-WIPETEST				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0845	ug	B	.025	.05	
Phenanthrene	.036	ug		.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.506	ug		.025	.05	
Fluoranthene	.0256	ug		.005	.01	
Pyrene	.0221	ug		.005	.01	
Benzyl Butyl Phthalate	.424	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene	.0207	ug		.005	.01	
Bis(2-Ethylhexyl)Phthalate	1.02	ug		.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.973	ug		.01	.02	
d14-Terphenyl	1.12	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37677-6.rp
Instrument ID						6890j i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	78	30-115
d14-Terphenyl	90	18-137

KCSlip4 55543

SEA421871

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37677-7	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 30-NOV-05
	Locator:	CE	Work Group:	WG83637	Rec. Date: 30-NOV-05
	Site:	METRO	QC Type:		Due Date: 30-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.076	ug	B	.025	.05	
Phenanthrene	.0386	ug		.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.721	ug		.025	.05	
Fluoranthene	.0369	ug		.005	.01	
Pyrene	.0362	ug		.005	.01	
Benzyl Butyl Phthalate	.32	ug		.025	.05	
Benzo(a)anthracene	.0117	ug		.005	.01	
Chrysene	.03	ug		.005	.01	
Bis(2-Ethylhexyl)Phthalate	1.45	ug		.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene	.0278	ug		.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.846	ug		.01	.02	
d14-Terphenyl	1.18	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37677-7.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	68	30-115
d14-Terphenyl	94	18-137

KCSlip4 55544

SEA421872

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37677-8	Matrix: OTHR SOLID	List Type: ORPHPAHWIPE			
	Project: 423589-090-1	Run ID: R111331		Col. Date:	30-NOV-05
	Locator: BW	Work Group: WG83637		Rec. Date:	30-NOV-05
	Site: METRO	QC Type:		Due Date:	30-DEC-05
	Method Code: 8270D-WIPETEST				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.077	ug	B	.025	.05	
Phenanthrene	.0194	ug		.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.375	ug		.025	.05	
Fluoranthene	.0094	ug	<RDL	.005	.01	
Pyrene	.0106	ug		.005	.01	
Benzyl Butyl Phthalate	.222	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene	.0092	ug	<RDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.547	ug		.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	1.76	ug		.01	.02	
d14-Terphenyl	2.23	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37677-8.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	71	30-115
d14-Terphenyl	89	18-137

KCSlip4 55545

SEA421873

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37677-9	Matrix:	OTHR SOLID	List Type:	ORPHPAHWIPE	
	Project:	423589-090-1	Run ID:	R111331	Col. Date: 30-NOV-05
	Locator:	SPCC	Work Group:	WG83637	Rec. Date: 30-NOV-05
	Site:	METRO	QC Type:		Due Date: 30-DEC-05
	Method Code:	8270D-WIPETEST			

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0811	ug	B	.025	.05	
Phenanthrene	.015	ug		.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.366	ug		.025	.05	
Fluoranthene	.0097	ug	<RDL	.005	.01	
Pyrene	.0087	ug	<RDL	.005	.01	
Benzyl Butyl Phthalate	.463	ug		.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene		ug	<MDL	.005	.01	
Bis(2-Ethylhexyl)Phthalate	.423	ug		.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.803	ug		.01	.02	
d14-Terphenyl	1.11	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37677-9.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	64	30-115
d14-Terphenyl	89	18-137

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SEA421874

KING COUNTY METRO ENVIRONMENTAL LABORATORY
Lab Review Report - 12/21/05 09:59 - Data Source: ELD

Sample#: L37677-10	Matrix: OTHR SOLID	List Type: ORPHPAHWIPE			
	Project: 423589-090-1	Run ID: R111331		Col. Date:	30-NOV-05
	Locator: KCIA	Work Group: WG83637		Rec. Date:	30-NOV-05
	Site: METRO	QC Type:		Due Date:	30-DEC-05
	Method Code: 8270D-WIPETEST				

Parameter	Value	Units	Valq	Mdl	Rdl	Textvalue
Naphthalene		ug	<MDL	.01	.02	
Acenaphthylene		ug	<MDL	.005	.01	
Dimethyl Phthalate		ug	<MDL	.025	.05	
Acenaphthene		ug	<MDL	.005	.01	
Fluorene		ug	<MDL	.005	.01	
Diethyl Phthalate	.0829	ug	B	.025	.05	
Phenanthrene	.0306	ug		.005	.01	
Anthracene		ug	<MDL	.005	.01	
Di-N-Butyl Phthalate	.356	ug	B	.025	.05	
Fluoranthene	.0423	ug		.005	.01	
Pyrene	.0298	ug		.005	.01	
Benzyl Butyl Phthalate		ug	<MDL	.025	.05	
Benzo(a)anthracene		ug	<MDL	.005	.01	
Chrysene	.0257	ug		.005	.01	
Bis(2-Ethylhexyl)Phthalate	.577	ug		.025	.05	
Di-N-Octyl Phthalate		ug	<MDL	.025	.05	
Benzo(b)fluoranthene		ug	<MDL	.01	.02	
Benzo(k)fluoranthene		ug	<MDL	.01	.02	
Benzo(a)pyrene		ug	<MDL	.01	.02	
Indeno(1,2,3-Cd)Pyrene		ug	<MDL	.01	.02	
Dibenzo(a,h)anthracene		ug	<MDL	.01	.02	
Benzo(g,h,i)perylene		ug	<MDL	.01	.02	
2-Methylnaphthalene		ug	<MDL	.005	.01	
2-Fluorobiphenyl	.914	ug		.01	.02	
d14-Terphenyl	1.12	ug		.01	.02	
Amount Analyzed	1	g				
Standard Amount	1	g				
Dilution Factor	.5	none				
Date Analyzed						20-DEC-05
Operator ID						M.Doubrava
Porthandler File						/usr/users/seed2/METROS3/files/gcms/L37677-10.rp
Instrument ID						6890j.i
Prep Date						16-DEC-05

SURROGATE RECOVERY INFORMATION

Parameter	% Rec	Lab Limits
2-Fluorobiphenyl	73	30-115
d14-Terphenyl	89	18-137

KCSlip4 55547

SEA421875