

ANALYTICAL RESULTS SUMMARY

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : RFK BRIDGE RMB-RANDALL ISLAND

LIRO ENGINEERS, INC.

690 Delaware Ave.

Buffalo, NY - 14209

Phone No: 716-882-5476

ORDER ID : Q3468

ATTENTION : Martin Wesolowski



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: Q3468

Client: LiRo Engineers, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-06							
Q3468-01	MW-06	Water	Benzene	6.30		0.15	1.00	ug/L
Q3468-01	MW-06	Water	Toluene	1.20		0.14	1.00	ug/L
Q3468-01	MW-06	Water	Ethyl Benzene	4.80		0.13	1.00	ug/L
Q3468-01	MW-06	Water	Total Xylenes	8.60		0.36	3.00	ug/L
Q3468-01	MW-06	Water	m/p-Xylenes	4.80		0.24	2.00	ug/L
Q3468-01	MW-06	Water	o-Xylene	3.80		0.12	1.00	ug/L
Q3468-01	MW-06	Water	Isopropylbenzene	20.1		0.12	1.00	ug/L
Q3468-01	MW-06	Water	n-propylbenzene	46.8		0.13	1.00	ug/L
Q3468-01	MW-06	Water	1,3,5-Trimethylbenzene	0.87	J	0.15	1.00	ug/L
Q3468-01	MW-06	Water	tert-Butylbenzene	0.46	JQ	0.14	1.00	ug/L
Q3468-01	MW-06	Water	1,2,4-Trimethylbenzene	5.70		0.14	1.00	ug/L
Q3468-01	MW-06	Water	sec-Butylbenzene	4.00		0.13	1.00	ug/L
Q3468-01	MW-06	Water	n-Butylbenzene	4.50		0.15	1.00	ug/L
Q3468-01	MW-06	Water	Naphthalene	48.5		0.20	1.00	ug/L
			Total Voc :		152			
			Total Concentration:		152			
Client ID:	MW-08							
Q3468-02	MW-08	Water	Benzene	120		0.15	1.00	ug/L
Q3468-02	MW-08	Water	Toluene	9.50		0.14	1.00	ug/L
Q3468-02	MW-08	Water	Ethyl Benzene	100	Q	0.13	1.00	ug/L
Q3468-02	MW-08	Water	Total Xylenes	550		0.36	3.00	ug/L
Q3468-02	MW-08	Water	m/p-Xylenes	310	E	0.24	2.00	ug/L
Q3468-02	MW-08	Water	o-Xylene	240	EQ	0.12	1.00	ug/L
Q3468-02	MW-08	Water	Isopropylbenzene	10.6		0.12	1.00	ug/L
Q3468-02	MW-08	Water	n-propylbenzene	16.9		0.13	1.00	ug/L
Q3468-02	MW-08	Water	1,3,5-Trimethylbenzene	15.4		0.15	1.00	ug/L
Q3468-02	MW-08	Water	1,2,4-Trimethylbenzene	350	E	0.14	1.00	ug/L
Q3468-02	MW-08	Water	sec-Butylbenzene	1.80		0.13	1.00	ug/L
Q3468-02	MW-08	Water	p-Isopropyltoluene	1.40		0.13	1.00	ug/L
Q3468-02	MW-08	Water	n-Butylbenzene	2.50		0.15	1.00	ug/L
Q3468-02	MW-08	Water	Naphthalene	210	E	0.20	1.00	ug/L
			Total Voc :		1390			
			Total Concentration:		1390			
Client ID:	MW-08DL							
Q3468-02DL	MW-08DL	Water	Benzene	190	D	0.75	5.00	ug/L
Q3468-02DL	MW-08DL	Water	Toluene	14.2	D	0.70	5.00	ug/L

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3468-02DL	MW-08DL	Water	Ethyl Benzene	150	D	0.65	5.00	ug/L
Q3468-02DL	MW-08DL	Water	Total Xylenes	900	D	1.80	15.0	ug/L
Q3468-02DL	MW-08DL	Water	m/p-Xylenes	500	D	1.20	10.0	ug/L
Q3468-02DL	MW-08DL	Water	o-Xylene	400	D	0.60	5.00	ug/L
Q3468-02DL	MW-08DL	Water	Isopropylbenzene	15.0	D	0.60	5.00	ug/L
Q3468-02DL	MW-08DL	Water	n-propylbenzene	25.5	D	0.65	5.00	ug/L
Q3468-02DL	MW-08DL	Water	1,3,5-Trimethylbenzene	27.5	D	0.75	5.00	ug/L
Q3468-02DL	MW-08DL	Water	1,2,4-Trimethylbenzene	580	D	0.70	5.00	ug/L
Q3468-02DL	MW-08DL	Water	p-Isopropyltoluene	2.40	JD	0.65	5.00	ug/L
Q3468-02DL	MW-08DL	Water	Naphthalene	350	D	1.00	5.00	ug/L
Total Voc :				2250				
Total Concentration:				2250				
Client ID:	MW-10							
Q3468-03	MW-10	Water	Toluene	0.21	J	0.14	1.00	ug/L
Q3468-03	MW-10	Water	Total Xylenes	1.20	J	0.36	3.00	ug/L
Q3468-03	MW-10	Water	m/p-Xylenes	1.20	J	0.24	2.00	ug/L
Q3468-03	MW-10	Water	Isopropylbenzene	2.90		0.12	1.00	ug/L
Q3468-03	MW-10	Water	n-propylbenzene	2.00		0.13	1.00	ug/L
Q3468-03	MW-10	Water	1,3,5-Trimethylbenzene	0.34	J	0.15	1.00	ug/L
Q3468-03	MW-10	Water	1,2,4-Trimethylbenzene	0.39	J	0.14	1.00	ug/L
Q3468-03	MW-10	Water	sec-Butylbenzene	1.40		0.13	1.00	ug/L
Q3468-03	MW-10	Water	p-Isopropyltoluene	0.29	J	0.13	1.00	ug/L
Q3468-03	MW-10	Water	n-Butylbenzene	1.50		0.15	1.00	ug/L
Q3468-03	MW-10	Water	Naphthalene	1.80		0.20	1.00	ug/L
Total Voc :				12.0				
Total Concentration:				12.0				
Client ID:	MW-11							
Q3468-04	MW-11	Water	Total Xylenes	0.75	J	0.36	3.00	ug/L
Q3468-04	MW-11	Water	m/p-Xylenes	0.75	J	0.24	2.00	ug/L
Total Voc :				0.75				
Total Concentration:				0.75				
Client ID:	MW-13							
Q3468-05	MW-13	Water	Benzene	1.20		0.15	1.00	ug/L
Q3468-05	MW-13	Water	Ethyl Benzene	1.30		0.13	1.00	ug/L
Q3468-05	MW-13	Water	Total Xylenes	2.65	J	0.36	3.00	ug/L
Q3468-05	MW-13	Water	m/p-Xylenes	0.95	J	0.24	2.00	ug/L
Q3468-05	MW-13	Water	o-Xylene	1.70		0.12	1.00	ug/L
Q3468-05	MW-13	Water	Isopropylbenzene	0.37	J	0.12	1.00	ug/L

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3468-05	MW-13	Water	n-propylbenzene	0.48	J	0.13	1.00	ug/L
			Total Voc :	6.00				
			Total Concentration:	6.00				
Client ID:	MW-12							
Q3468-06	MW-12	Water	Benzene	180	E	0.15	1.00	ug/L
Q3468-06	MW-12	Water	Toluene	140		0.14	1.00	ug/L
Q3468-06	MW-12	Water	Ethyl Benzene	600	EQ	0.13	1.00	ug/L
Q3468-06	MW-12	Water	Total Xylenes	770		0.36	3.00	ug/L
Q3468-06	MW-12	Water	m/p-Xylenes	330	E	0.24	2.00	ug/L
Q3468-06	MW-12	Water	o-Xylene	440	EQ	0.12	1.00	ug/L
Q3468-06	MW-12	Water	Isopropylbenzene	16.0		0.12	1.00	ug/L
Q3468-06	MW-12	Water	n-propylbenzene	31.0		0.13	1.00	ug/L
Q3468-06	MW-12	Water	1,3,5-Trimethylbenzene	4.90		0.15	1.00	ug/L
Q3468-06	MW-12	Water	1,2,4-Trimethylbenzene	390	E	0.14	1.00	ug/L
Q3468-06	MW-12	Water	p-Isopropyltoluene	1.50		0.13	1.00	ug/L
Q3468-06	MW-12	Water	n-Butylbenzene	2.20		0.15	1.00	ug/L
Q3468-06	MW-12	Water	Naphthalene	180	E	0.20	1.00	ug/L
			Total Voc :	2320				
			Total Concentration:	2320				
Client ID:	MW-12DL							
Q3468-06DL	MW-12DL	Water	Benzene	210	D	1.50	10.0	ug/L
Q3468-06DL	MW-12DL	Water	Toluene	160	D	1.40	10.0	ug/L
Q3468-06DL	MW-12DL	Water	Ethyl Benzene	710	D	1.30	10.0	ug/L
Q3468-06DL	MW-12DL	Water	Total Xylenes	900	D	3.60	30.0	ug/L
Q3468-06DL	MW-12DL	Water	m/p-Xylenes	390	D	2.40	20.0	ug/L
Q3468-06DL	MW-12DL	Water	o-Xylene	510	D	1.20	10.0	ug/L
Q3468-06DL	MW-12DL	Water	Isopropylbenzene	17.2	D	1.20	10.0	ug/L
Q3468-06DL	MW-12DL	Water	n-propylbenzene	34.4	D	1.30	10.0	ug/L
Q3468-06DL	MW-12DL	Water	1,2,4-Trimethylbenzene	440	D	1.40	10.0	ug/L
Q3468-06DL	MW-12DL	Water	Naphthalene	190	D	2.00	10.0	ug/L
			Total Voc :	2660				
			Total Concentration:	2660				



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Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-06								
Q3468-01	MW-06	WATER	Acenaphthene	14.200		0.56	5.1	ug/L
Q3468-01	MW-06	WATER	Fluorene	7.200		0.64	5.1	ug/L
Q3468-01	MW-06	WATER	Phenanthrene	6.100		0.51	5.1	ug/L
Q3468-01	MW-06	WATER	Anthracene	3.500	J	0.62	5.1	ug/L
Q3468-01	MW-06	WATER	Fluoranthene	6.900		0.84	5.1	ug/L
Q3468-01	MW-06	WATER	Pyrene	4.700	J	0.51	5.1	ug/L
Total Svoc :						42.60		
Total Concentration:						42.60		