

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 : Q2333

ATTENTION : Martin Wesolowski



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: Q2333

Client: LiRo Engineers, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-06							
Q2333-01	MW-06	Water	Benzene	3.10		0.15	1.00	ug/L
Q2333-01	MW-06	Water	Ethyl Benzene	1.40		0.13	1.00	ug/L
Q2333-01	MW-06	Water	Total Xylenes	1.00	J	0.36	3.00	ug/L
Q2333-01	MW-06	Water	m/p-Xylenes	1.00	J	0.24	2.00	ug/L
Q2333-01	MW-06	Water	Isopropylbenzene	14.7		0.12	1.00	ug/L
Q2333-01	MW-06	Water	n-propylbenzene	36.4		0.13	1.00	ug/L
Q2333-01	MW-06	Water	sec-Butylbenzene	2.50		0.13	1.00	ug/L
Q2333-01	MW-06	Water	n-Butylbenzene	1.70		0.15	1.00	ug/L
Q2333-01	MW-06	Water	Naphthalene	23.0		0.20	1.00	ug/L
			Total Voc :			83.8		
			Total Concentration:			83.8		
Client ID:	MW-08							
Q2333-02	MW-08	Water	Benzene	88.5		0.15	1.00	ug/L
Q2333-02	MW-08	Water	Toluene	22.0		0.14	1.00	ug/L
Q2333-02	MW-08	Water	Ethyl Benzene	520	E	0.13	1.00	ug/L
Q2333-02	MW-08	Water	Total Xylenes	1770	E	0.36	3.00	ug/L
Q2333-02	MW-08	Water	m/p-Xylenes	1200	E	0.24	2.00	ug/L
Q2333-02	MW-08	Water	o-Xylene	570	E	0.12	1.00	ug/L
Q2333-02	MW-08	Water	Isopropylbenzene	38.1		0.12	1.00	ug/L
Q2333-02	MW-08	Water	n-propylbenzene	79.6		0.13	1.00	ug/L
Q2333-02	MW-08	Water	1,3,5-Trimethylbenzene	46.5		0.15	1.00	ug/L
Q2333-02	MW-08	Water	1,2,4-Trimethylbenzene	890	E	0.14	1.00	ug/L
Q2333-02	MW-08	Water	sec-Butylbenzene	3.60		0.13	1.00	ug/L
Q2333-02	MW-08	Water	p-Isopropyltoluene	2.80		0.13	1.00	ug/L
Q2333-02	MW-08	Water	n-Butylbenzene	3.40		0.15	1.00	ug/L
Q2333-02	MW-08	Water	Naphthalene	350	E	0.20	1.00	ug/L
			Total Voc :			3810		
			Total Concentration:			3810		
Client ID:	MW-08DL							
Q2333-02DL	MW-08DL	Water	Benzene	120	D	3.00	20.0	ug/L
Q2333-02DL	MW-08DL	Water	Toluene	27.0	D	2.80	20.0	ug/L
Q2333-02DL	MW-08DL	Water	Ethyl Benzene	630	D	2.60	20.0	ug/L
Q2333-02DL	MW-08DL	Water	Total Xylenes	2170	D	7.20	60.0	ug/L
Q2333-02DL	MW-08DL	Water	m/p-Xylenes	1500	D	4.80	40.0	ug/L
Q2333-02DL	MW-08DL	Water	o-Xylene	670	D	2.40	20.0	ug/L
Q2333-02DL	MW-08DL	Water	Isopropylbenzene	44.3	D	2.40	20.0	ug/L

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Client: LiRo Engineers, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2333-02DL	MW-08DL	Water	n-propylbenzene	92.2	D	2.60	20.0	ug/L
Q2333-02DL	MW-08DL	Water	1,3,5-Trimethylbenzene	50.0	D	3.00	20.0	ug/L
Q2333-02DL	MW-08DL	Water	1,2,4-Trimethylbenzene	1100	D	2.80	20.0	ug/L
Q2333-02DL	MW-08DL	Water	Naphthalene	400	D	4.00	20.0	ug/L
Total Voc :				4630				
Total Concentration:				4630				
Client ID:	MW-10							
Q2333-03	MW-10	Water	Ethyl Benzene	0.31	J	0.13	1.00	ug/L
Q2333-03	MW-10	Water	Total Xylenes	0.85	J	0.36	3.00	ug/L
Q2333-03	MW-10	Water	m/p-Xylenes	0.85	J	0.24	2.00	ug/L
Q2333-03	MW-10	Water	Isopropylbenzene	2.90		0.12	1.00	ug/L
Q2333-03	MW-10	Water	n-propylbenzene	0.86	J	0.13	1.00	ug/L
Q2333-03	MW-10	Water	tert-Butylbenzene	0.30	J	0.14	1.00	ug/L
Q2333-03	MW-10	Water	1,2,4-Trimethylbenzene	1.80		0.14	1.00	ug/L
Q2333-03	MW-10	Water	sec-Butylbenzene	0.93	J	0.13	1.00	ug/L
Total Voc :				7.95				
Total Concentration:				7.95				
Client ID:	MW-11							
Q2333-04	MW-11	Water	Ethyl Benzene	0.30	J	0.13	1.00	ug/L
Q2333-04	MW-11	Water	Total Xylenes	1.05	J	0.36	3.00	ug/L
Q2333-04	MW-11	Water	m/p-Xylenes	0.79	J	0.24	2.00	ug/L
Q2333-04	MW-11	Water	o-Xylene	0.26	J	0.12	1.00	ug/L
Q2333-04	MW-11	Water	1,2,4-Trimethylbenzene	1.70		0.14	1.00	ug/L
Q2333-04	MW-11	Water	Naphthalene	0.61	J	0.20	1.00	ug/L
Total Voc :				3.66				
Total Concentration:				3.66				
Client ID:	MW-13							
Q2333-05	MW-13	Water	Benzene	0.80	J	0.15	1.00	ug/L
Q2333-05	MW-13	Water	Ethyl Benzene	1.70		0.13	1.00	ug/L
Q2333-05	MW-13	Water	Total Xylenes	2.70	J	0.36	3.00	ug/L
Q2333-05	MW-13	Water	m/p-Xylenes	1.50	J	0.24	2.00	ug/L
Q2333-05	MW-13	Water	o-Xylene	1.20		0.12	1.00	ug/L
Q2333-05	MW-13	Water	1,2,4-Trimethylbenzene	0.71	J	0.14	1.00	ug/L
Q2333-05	MW-13	Water	Naphthalene	0.34	J	0.20	1.00	ug/L
Total Voc :				6.25				
Total Concentration:				6.25				
Client ID:	MW-12							
Q2333-06	MW-12	Water	Benzene	200	E	0.15	1.00	ug/L

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2333-06	MW-12	Water	Toluene	58.0		0.14	1.00	ug/L
Q2333-06	MW-12	Water	Ethyl Benzene	730	E	0.13	1.00	ug/L
Q2333-06	MW-12	Water	Total Xylenes	540		0.36	3.00	ug/L
Q2333-06	MW-12	Water	m/p-Xylenes	370	E	0.24	2.00	ug/L
Q2333-06	MW-12	Water	o-Xylene	170	E	0.12	1.00	ug/L
Q2333-06	MW-12	Water	Isopropylbenzene	23.6		0.12	1.00	ug/L
Q2333-06	MW-12	Water	n-propylbenzene	49.1		0.13	1.00	ug/L
Q2333-06	MW-12	Water	1,3,5-Trimethylbenzene	4.50		0.15	1.00	ug/L
Q2333-06	MW-12	Water	1,2,4-Trimethylbenzene	480	E	0.14	1.00	ug/L
Q2333-06	MW-12	Water	sec-Butylbenzene	2.50		0.13	1.00	ug/L
Q2333-06	MW-12	Water	p-Isopropyltoluene	2.50		0.13	1.00	ug/L
Q2333-06	MW-12	Water	n-Butylbenzene	3.10		0.15	1.00	ug/L
Q2333-06	MW-12	Water	Naphthalene	140		0.20	1.00	ug/L
Total Voc :				2230				
Total Concentration:				2230				
Client ID:	MW-12DL							
Q2333-06DL	MW-12DL	Water	Benzene	210	D	1.50	10.0	ug/L
Q2333-06DL	MW-12DL	Water	Toluene	61.7	D	1.40	10.0	ug/L
Q2333-06DL	MW-12DL	Water	Ethyl Benzene	780	D	1.30	10.0	ug/L
Q2333-06DL	MW-12DL	Water	Total Xylenes	570	D	3.60	30.0	ug/L
Q2333-06DL	MW-12DL	Water	m/p-Xylenes	390	D	2.40	20.0	ug/L
Q2333-06DL	MW-12DL	Water	o-Xylene	180	D	1.20	10.0	ug/L
Q2333-06DL	MW-12DL	Water	Isopropylbenzene	23.2	D	1.20	10.0	ug/L
Q2333-06DL	MW-12DL	Water	n-propylbenzene	47.7	D	1.30	10.0	ug/L
Q2333-06DL	MW-12DL	Water	1,3,5-Trimethylbenzene	5.10	JD	1.50	10.0	ug/L
Q2333-06DL	MW-12DL	Water	1,2,4-Trimethylbenzene	500	D	1.40	10.0	ug/L
Q2333-06DL	MW-12DL	Water	sec-Butylbenzene	3.10	JD	1.30	10.0	ug/L
Q2333-06DL	MW-12DL	Water	p-Isopropyltoluene	2.80	JD	1.30	10.0	ug/L
Q2333-06DL	MW-12DL	Water	n-Butylbenzene	4.00	JD	1.50	10.0	ug/L
Q2333-06DL	MW-12DL	Water	Naphthalene	130	D	2.00	10.0	ug/L
Total Voc :				2340				
Total Concentration:				2340				



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Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-06								
Q2333-01	MW-06	WATER	Acenaphthene	2.800	J	0.55	5	ug/L
Q2333-01	MW-06	WATER	Fluoranthene	2.300	J	0.82	5	ug/L
			Total Svoc :			5.10		
			Total Concentration:			5.10		