

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : RT. 10 WHIPPANY

UNION PAVING & CONSTRUCTION COMPANY

1140 Globe Avenue

Mountainside, NJ - 07092

Phone No: 908-232-4100

ORDER ID : P4663

ATTENTION : Gregory Butler



Laboratory Certification ID # 20012





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4663
Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P4663-05	RES-BUILDING-PAD-NO-3 RES-BUILDING-P/ SOIL		Methylene Chloride	4.90	J	2.60	7.70	ug/Kg
			Total Voc :	4.90				
			Total Concentration:	4.90				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4663
Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TENNANT-PAD-2-3-STOCKPILE								
P4663-02	TENNANT-PAD-2-3-ST	SOIL	Fluoranthene	180.000	J	89.8	190	ug/Kg
P4663-02	TENNANT-PAD-2-3-ST	SOIL	Pyrene	160.000	J	91.2	190	ug/Kg
P4663-02	TENNANT-PAD-2-3-ST	SOIL	Benzo(a)anthracene	94.300	J	88.7	190	ug/Kg
P4663-02	TENNANT-PAD-2-3-ST	SOIL	Chrysene	100.000	J	87.4	190	ug/Kg
P4663-02	TENNANT-PAD-2-3-ST	SOIL	Benzo(b)fluoranthene	120.000	J	89.2	190	ug/Kg
Total Svoc :				654.30				
Total Concentration:				654.30				

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TENNANT-PAD-2-3-STOCKPIL								
P4663-02	TENNANT-PAD-2-3- SOIL		4,4-DDT	0.21	J	0.19	1.90	ug/kg
P4663-02	TENNANT-PAD-2-3- SOIL		alpha-Chlordane	0.48	JP	0.19	1.90	ug/kg
Total Concentration:				0.690				
Client ID : RES-BUILDING-PAD-NO-11								
P4663-04	RES-BUILDING-PAC SOIL		4,4-DDE	0.22	J	0.14	1.80	ug/kg
Total Concentration:				0.220				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID :

Total Concentration: 0.000



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID :

Total Concentration: 0.000

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TENNANT-PAD-2-3-STOCKPILE								
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Aluminum	10400		2.49	5.16	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Antimony	0.18	J	0.16	2.58	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Arsenic	1.98		0.30	1.03	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Barium	52.9		0.66	5.16	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Beryllium	0.99		0.012	0.31	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Cadmium	0.59		0.017	0.31	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Calcium	2390		2.89	103	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Chromium	16.2		0.056	0.52	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Cobalt	16.2		0.060	1.55	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Copper	21.7		0.49	1.03	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Iron	21200		2.78	5.16	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Lead	12.5		0.16	0.62	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Magnesium	2290		3.54	103	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Manganese	366		0.073	1.03	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Mercury	0.011	J	0.0060	0.014	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Nickel	15.6		0.093	2.07	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Potassium	635		29.6	103	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Silver	0.28	J	0.054	0.52	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Sodium	361		37.3	103	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Vanadium	40.0		0.28	2.07	mg/Kg
P4663-02	TENNANT-PAD-2-3-STOCKPIL SOIL		Zinc	46.6		0.11	2.07	mg/Kg
Client ID : RES-BUILDING-PAD-NO-11								
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Aluminum	9640		2.40	4.98	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Antimony	0.34	J	0.15	2.49	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Arsenic	1.32		0.29	1.00	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Barium	51.4		0.64	4.98	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Beryllium	0.86		0.012	0.30	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Cadmium	0.43		0.016	0.30	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Calcium	2070		2.79	99.6	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Chromium	17.5		0.054	0.50	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Cobalt	12.4		0.058	1.49	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Copper	20.3		0.47	1.00	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Iron	20200		2.68	4.98	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Lead	15.4		0.15	0.60	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Magnesium	2450		3.42	99.6	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Manganese	355		0.071	1.00	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Mercury	0.020		0.0070	0.015	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Nickel	16.1		0.090	1.99	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Potassium	563		28.6	99.6	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Silver	0.38	J	0.052	0.50	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Sodium	327		36.0	99.6	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Vanadium	39.7		0.27	1.99	mg/Kg
P4663-04	RES-BUILDING-PAD-NO-11	SOIL	Zinc	50.5		0.11	1.99	mg/Kg
Client ID : RES-BUILDING-PAD-NO-3								
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Aluminum	7550		2.12	4.40	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Antimony	0.23	J	0.13	2.20	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Arsenic	1.22		0.26	0.88	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Barium	46.5		0.56	4.40	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Beryllium	0.71		0.011	0.26	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Cadmium	0.53		0.014	0.26	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Calcium	4260		2.47	88.1	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Chromium	12.9		0.048	0.44	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Cobalt	12.9		0.051	1.32	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Copper	24.6		0.41	0.88	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Iron	17600		2.37	4.40	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Lead	8.31		0.13	0.53	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Magnesium	3180		3.02	88.1	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Manganese	363		0.063	0.88	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Mercury	0.016		0.0060	0.013	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Nickel	15.8		0.079	1.76	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Potassium	673		25.3	88.1	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Silver	0.32	J	0.046	0.44	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Sodium	265		31.8	88.1	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Vanadium	30.5		0.24	1.76	mg/Kg
P4663-06	RES-BUILDING-PAD-NO-3	SOIL	Zinc	45.7		0.097	1.76	mg/Kg
Client ID : RES-BUILDING-PAD-NO-2								
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Aluminum	7960		2.18	4.53	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Antimony	0.14	J	0.14	2.26	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Arsenic	1.15		0.26	0.91	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Barium	46.8		0.58	4.53	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Beryllium	0.81		0.011	0.27	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Cadmium	0.40		0.014	0.27	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Calcium	1760		2.53	90.5	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Chromium	13.8		0.049	0.45	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Cobalt	11.7		0.053	1.36	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Copper	20.0		0.43	0.91	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4663

Order ID: P4663

Client: Union Paving & Construction Company

Project ID: Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Iron	18000		2.43	4.53	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Lead	7.79		0.14	0.54	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Magnesium	2290		3.10	90.5	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Manganese	361		0.064	0.91	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Nickel	14.8		0.081	1.81	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Potassium	556		26.0	90.5	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Silver	0.34	J	0.047	0.45	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Sodium	161		32.7	90.5	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Vanadium	32.5		0.24	1.81	mg/Kg
P4663-08	RES-BUILDING-PAD-NO-2	SOIL	Zinc	41.4		0.10	1.81	mg/Kg