

Hit Summary Sheet
SW-846

SDG No.: P4768

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B-3-1							
P4768-01	B-3-1	SOIL	Ethyl Benzene	17.8		1.20	10.0	ug/Kg
P4768-01	B-3-1	SOIL	m/p-Xylenes	73.3		2.70	20.0	ug/Kg
P4768-01	B-3-1	SOIL	o-Xylene	22.5		1.40	10.0	ug/Kg
			Total Voc :			114		
P4768-01	B-3-1	SOIL	Decane	* 31.6	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,3,5-trimethyl-	* 12.5	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Octane, 3-methyl-	* 14.0	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 13.1	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2,4-trimethyl-,	* 36.8	J	0	0	ug/Kg
			Total Tics :			108		
			Total Concentration:			222		
Client ID:	B-3-2							
P4768-02	B-3-2	SOIL	Ethyl Benzene	9.20		0.69	5.50	ug/Kg
P4768-02	B-3-2	SOIL	m/p-Xylenes	41.5		1.50	11.1	ug/Kg
P4768-02	B-3-2	SOIL	o-Xylene	11.9		0.78	5.50	ug/Kg
			Total Voc :			62.6		
P4768-02	B-3-2	SOIL	unknown11.213	* 11.5	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Decane	* 10.3	J	0	0	ug/Kg
			Total Tics :			21.8		
			Total Concentration:			84.4		
Client ID:	B-3-3							
P4768-03	B-3-3	SOIL	Ethyl Benzene	1.80	J	0.60	4.90	ug/Kg
P4768-03	B-3-3	SOIL	m/p-Xylenes	8.10	J	1.30	9.70	ug/Kg
P4768-03	B-3-3	SOIL	o-Xylene	2.60	J	0.68	4.90	ug/Kg
			Total Voc :			12.5		
			Total Concentration:			12.5		
Client ID:	B-5							
P4768-05	B-5	SOIL	Acetone	16.7	J	8.40	33.7	ug/Kg
			Total Voc :			16.7		
P4768-05	B-5	SOIL	unknown12.231	* 49.0	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.652	* 64.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.871	* 39.5	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Naphthalene, decahydro-2-metl	* 58.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 76.1	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Octene, 2,6-dimethyl-	* 120	J	0	0	ug/Kg
P4768-05	B-5	SOIL	1-Dodecanol, 3,7,11-trimethyl-	* 59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,2,3-tetrameth	* 54.5	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-05	B-5	SOIL	Cyclooctene, 1,2-dimethyl-	* 59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	* 45.2	J	0	0	ug/Kg
P4768-05	B-5	SOIL	sec-Butylbenzene	* 4.30	J	0.90	6.70	ug/Kg
Client ID:	B-6-2	Total Tics :			630			
		Total Concentration:			647			
P4768-06	B-6-2	SOIL	m/p-Xylenes	4.40	J	3.10	22.9	ug/Kg
Client ID:	B-6-3	Total Voc :			4.40			
		Total Concentration:			4.40			
P4768-07	B-6-3	SOIL	Acetone	13.4	J	6.20	24.7	ug/Kg
P4768-07	B-6-3	SOIL	Toluene	1.50	J	0.66	4.90	ug/Kg
P4768-07	B-6-3	SOIL	Ethyl Benzene	29.3		0.61	4.90	ug/Kg
P4768-07	B-6-3	SOIL	m/p-Xylenes	130		1.30	9.90	ug/Kg
P4768-07	B-6-3	SOIL	o-Xylene	44.4		0.69	4.90	ug/Kg
Total Voc :				219				
P4768-07	B-6-3	SOIL	Decane	* 40.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, ethyl-	* 9.70	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, (2-methylpropyl)	* 8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,3,5-trimethyl-,	* 15.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Octane, 3-methyl-	* 24.9	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,2,4-trimethyl-	* 60.7	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Decane, 4-methyl-	* 10.1	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 18.6	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Heptane, 2,3-dimethyl-	* 8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	1-Ethyl-4-methylcyclohexane	* 13.4	J	0	0	ug/Kg
Total Tics :				212				
Total Concentration:				430				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.30	U	3.30	10.0	ug/Kg
74-87-3	Chloromethane	2.30	U	2.30	10.0	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	1.50	10.0	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	10.0	ug/Kg
75-00-3	Chloroethane	2.00	U	2.00	10.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	10.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	2.10	10.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	10.0	ug/Kg
67-64-1	Acetone	12.5	U	12.5	50.1	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	10.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	10.0	ug/Kg
79-20-9	Methyl Acetate	3.60	U	3.60	10.0	ug/Kg
75-09-2	Methylene Chloride	6.80	U	6.80	20.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.0	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	10.0	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	10.0	ug/Kg
78-93-3	2-Butanone	11.4	U	11.4	50.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	10.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	U	1.20	10.0	ug/Kg
74-97-5	Bromochloromethane	4.80	U	4.80	10.0	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	10.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	10.0	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	1.70	10.0	ug/Kg
71-43-2	Benzene	1.40	U	1.40	10.0	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	10.0	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	10.0	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	10.0	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	10.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.70	U	8.70	50.1	ug/Kg
108-88-3	Toluene	1.30	U	1.30	10.0	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Test:	VOC-TCLVOA-10
	ID :	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	12.5	J		10.9	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	13.1	J		11.0	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	36.8	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	14.0	J		11.3	ug/Kg
000124-18-5	Decane	31.6	J		12.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.50	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.50	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.50	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.50	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.7	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.50	ug/Kg
100-41-4	Ethyl Benzene	9.20		0.69	5.50	ug/Kg
179601-23-1	m/p-Xylenes	41.5		1.50	11.1	ug/Kg
95-47-6	o-Xylene	11.9		0.78	5.50	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.50	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.5	50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.8	58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9	29 - 146	96%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	173000	7.713
540-36-3	1,4-Difluorobenzene	360000	8.616
3114-55-4	Chlorobenzene-d5	335000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

C

D

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown11.213	11.5	J		11.2	ug/Kg
000124-18-5	Decane	10.3	J		12.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	4.90	ug/Kg
67-64-1	Acetone	6.10	U	6.10	24.4	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.64	U	0.64	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.4	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.90	ug/Kg
100-41-4	Ethyl Benzene	1.80	J	0.60	4.90	ug/Kg
179601-23-1	m/p-Xylenes	8.10	J	1.30	9.70	ug/Kg
95-47-6	o-Xylene	2.60	J	0.68	4.90	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.90	ug/Kg
75-25-2	Bromoform	0.79	U	0.79	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.78	U	0.78	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.57	U	0.57	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.713			
540-36-3	1,4-Difluorobenzene	391000	8.616			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.347			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.80	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	5.80	ug/Kg
67-64-1	Acetone	7.30	U	7.30	29.2	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.80	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.80	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	5.80	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.80	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	29.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	5.80	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.80	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	5.80	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.80	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	5.80	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.77	U	0.77	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.2	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.80	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.80	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.2	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.7	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.80	ug/Kg
100-42-5	Styrene	0.70	U	0.70	5.80	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.80	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.69	U	0.69	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.92	U	0.92	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.91	U	0.91	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		50 - 163	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	7.707			
540-36-3	1,4-Difluorobenzene	269000	8.615			
3114-55-4	Chlorobenzene-d5	254000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	98400	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020370.D	1		11/20/24 19:22	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.70	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	6.70	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.70	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	6.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
67-64-1	Acetone	16.7	J	8.40	33.7	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.90	U	0.90	6.70	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.70	ug/Kg
75-09-2	Methylene Chloride	4.60	U	4.60	13.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	6.70	ug/Kg
110-82-7	Cyclohexane	0.93	U	0.93	6.70	ug/Kg
78-93-3	2-Butanone	7.70	U	7.70	33.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	6.70	ug/Kg
74-97-5	Bromochloromethane	3.30	U	3.30	6.70	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.70	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	0.82	6.70	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	6.70	ug/Kg
75-27-4	Bromodichloromethane	0.76	U	0.76	6.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.90	U	5.90	33.7	ug/Kg
108-88-3	Toluene	0.90	U	0.90	6.70	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
591-78-6	2-Hexanone	6.50	U	6.50	33.7	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	6.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.70	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.5	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	6.70	ug/Kg
100-42-5	Styrene	0.81	U	0.81	6.70	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.70	ug/Kg
98-82-8	Isopropylbenzene	0.90	U	0.90	6.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.00	U	1.00	6.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	6.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	6.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	6.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.5		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.2		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		29 - 146	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.713			
540-36-3	1,4-Difluorobenzene	369000	8.616			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	76.1	J		11.0	ug/Kg
006750-34-1	1-Dodecanol, 3,7,11-trimethyl-	59.3	J		12.1	ug/Kg
	unknown12.231	49.0	J		12.2	ug/Kg
004057-42-5	2-Octene, 2,6-dimethyl-	120	J		12.6	ug/Kg
	unknown12.652	64.3	J		12.7	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	54.5	J		12.7	ug/Kg
	unknown12.871	39.5	J		12.9	ug/Kg
135-98-8	sec-Butylbenzene	4.30	J		13.2	ug/Kg
054299-96-6	Cyclooctene, 1,2-dimethyl-	59.3	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	58.3	J		14.2	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	45.2	J		15.0	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.80	U	3.80	11.4	ug/Kg
74-87-3	Chloromethane	2.70	U	2.70	11.4	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	1.80	11.4	ug/Kg
74-83-9	Bromomethane	2.40	U	2.40	11.4	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	11.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.10	U	2.10	11.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	2.40	11.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	11.4	ug/Kg
67-64-1	Acetone	14.3	U	14.3	57.1	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	2.90	11.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	1.50	11.4	ug/Kg
79-20-9	Methyl Acetate	4.10	U	4.10	11.4	ug/Kg
75-09-2	Methylene Chloride	7.80	U	7.80	22.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	11.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	11.4	ug/Kg
78-93-3	2-Butanone	13.0	U	13.0	57.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	2.00	11.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.40	U	1.40	11.4	ug/Kg
74-97-5	Bromochloromethane	5.50	U	5.50	11.4	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	11.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	1.80	11.4	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	11.4	ug/Kg
71-43-2	Benzene	1.60	U	1.60	11.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
79-01-6	Trichloroethene	1.70	U	1.70	11.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	1.50	11.4	ug/Kg
75-27-4	Bromodichloromethane	1.30	U	1.30	11.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.90	U	9.90	57.1	ug/Kg
108-88-3	Toluene	1.50	U	1.50	11.4	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	11.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.30	U	1.30	11.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	1.90	11.4	ug/Kg
591-78-6	2-Hexanone	10.9	U	10.9	57.1	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	11.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	1.80	11.4	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	2.00	11.4	ug/Kg
108-90-7	Chlorobenzene	1.70	U	1.70	11.4	ug/Kg
100-41-4	Ethyl Benzene	1.40	U	1.40	11.4	ug/Kg
179601-23-1	m/p-Xylenes	4.40	J	3.10	22.9	ug/Kg
95-47-6	o-Xylene	1.60	U	1.60	11.4	ug/Kg
100-42-5	Styrene	1.40	U	1.40	11.4	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	11.4	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	1.50	11.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	2.50	11.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	11.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	11.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	11.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	11.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	7.713			
540-36-3	1,4-Difluorobenzene	400000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.346			

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	4.90	ug/Kg
67-64-1	Acetone	13.4	J	6.20	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.66	U	0.66	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.90	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.7	ug/Kg
108-88-3	Toluene	1.50	J	0.66	4.90	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.7	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.90	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.90	ug/Kg
100-41-4	Ethyl Benzene	29.3		0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	130		1.30	9.90	ug/Kg
95-47-6	o-Xylene	44.4		0.69	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.73	U	0.73	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.79	U	0.79	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.78	U	0.78	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.8	50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3	54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	50.6	58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8	29 - 146	102%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	182000	7.713
540-36-3	1,4-Difluorobenzene	390000	8.616
3114-55-4	Chlorobenzene-d5	372000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001795-27-3	Cyclohexane, 1,3,5-trimethyl-, (1.	15.8	J		10.9	ug/Kg
001678-91-7	Cyclohexane, ethyl-	9.70	J		11.0	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	18.6	J		11.0	ug/Kg
003074-71-3	Heptane, 2,3-dimethyl-	8.90	J		11.1	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	60.7	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	24.9	J		11.3	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	13.4	J		11.7	ug/Kg
000124-18-5	Decane	40.8	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	10.1	J		13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	8.90	J		13.2	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-02	B-3-2	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-03	B-3-3	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-04	B-4	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/20/24	11/07/24
P4768-05	B-5	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-06	B-6-2	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24
P4768-07	B-6-3	SOIL	VOC-TCLVOA-10	8260D	11/07/24		11/11/24	11/07/24

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-3-1								
P4768-01	B-3-1	SOIL	Pyrene	93.500	J	87.9	180	ug/Kg
			Total Svoc :	93.50				
P4768-01	B-3-1	SOIL	1-Cyclohexyl-2-methyl-prop-2-en *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	1-Hexene, 3-methyl- *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	2-sec-Butyl-3-methyl-1-pentene *	84.400	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	4-Nonene, 3-methyl-, (Z)- *	340.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	4-Undecene, (E)- *	200.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	5-Ethyldecane *	96.800	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	6-Tridecene, 7-methyl- *	99.200	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Benzophenone *	340.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Butane, 2-methoxy-2-methyl- *	1,400.000	JB	0	0	ug/Kg
P4768-01	B-3-1	SOIL	cis, cis-3-Ethylbicyclo[4.4.0]deca *	180.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,1-(1-methylethyl) *	130.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2,3-trimethyl-, (1. *	97.500	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2-diethyl-3-methyl *	150.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 2-butyl-1,1,3-trimethyl *	170.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Naphthalene, decahydro-2-methyl *	140.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	trans-Decalin, 2-methyl- *	130.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Undecane, 5-ethyl- *	120.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown5.093 *	210.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown7.516 *	190.000	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	unknown8.245 *	96.400	J	0	0	ug/Kg
			Total Tics :	4,414.30				
			Total Concentration:	4,507.80				
Client ID : B-3-2								
P4768-02	B-3-2	SOIL	Phenanthrene	520.000		88.2	180	ug/Kg
P4768-02	B-3-2	SOIL	Anthracene	160.000	J	88.6	180	ug/Kg
P4768-02	B-3-2	SOIL	Fluoranthene	2,000.000		85.8	180	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene	2,000.000		87.1	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(a)anthracene	1,900.000		84.7	180	ug/Kg
P4768-02	B-3-2	SOIL	Chrysene	1,500.000		83.5	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(b)fluoranthene	1,800.000		85.1	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(k)fluoranthene	870.000		86.7	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(a)pyrene	1,600.000		97.6	180	ug/Kg
P4768-02	B-3-2	SOIL	Indeno(1,2,3-cd)pyrene	570.000		82	180	ug/Kg
P4768-02	B-3-2	SOIL	Dibenzo(a,h)anthracene	230.000		85.2	180	ug/Kg
P4768-02	B-3-2	SOIL	Benzo(g,h,i)perylene	570.000		84.1	180	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
			Total Svoc :	13,720.00					
P4768-02	B-3-2	SOIL	11H-Benzo[b]fluorene	*	120.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	88.200	AB	0	0	ug/Kg
P4768-02	B-3-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	540.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	9,10-Dimethylanthracene	*	180.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	9-Octadecenamide, (Z)-	*	110.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 1-methyl-	*	120.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 2-methyl-	*	120.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	170.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	unknown12.539	*	100.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Anthracene, 2-methyl-	*	280.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Benz[a]anthracene, 2-methyl-	*	90.600	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzo[b]triphenylene	*	170.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzo[e]pyrene	*	270.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Butane, 2-methoxy-2-methyl-	*	1,500.000	JB	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Fluoranthene, 2-methyl-	*	210.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Naphthalene, 2-phenyl-	*	120.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Perylene	*	1,100.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Phenanthrene, 1-methyl-	*	180.000	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Phenanthrene, 2-methyl-	*	100.000	J	0	0	ug/Kg
			Total Tics :	5,838.80					
			Total Concentration:	19,558.80					
Client ID : B-3-3									
P4768-03	B-3-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	AB	0	0	ug/Kg
P4768-03	B-3-3	SOIL	9-Octadecenamide, (Z)-	*	490.000	J	0	0	ug/Kg
P4768-03	B-3-3	SOIL	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	78.700	J	0	0	ug/Kg
P4768-03	B-3-3	SOIL	Benzophenone	*	350.000	J	0	0	ug/Kg
P4768-03	B-3-3	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB	0	0	ug/Kg
P4768-03	B-3-3	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
P4768-03	B-3-3	SOIL	Tetradecane	*	74.000	J	0	0	ug/Kg
P4768-03	B-3-3	SOIL	Tridecane	*	80.900	J	0	0	ug/Kg
			Total Tics :	3,613.60					
			Total Concentration:	3,613.60					
Client ID : B-4									
P4768-04	B-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB	0	0	ug/Kg
P4768-04	B-4	SOIL	9-Octadecenamide, (Z)-	*	320.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Cyclohexane, 1,3,5-trimethyl-, (1.	*	110.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-04	B-4	SOIL	Cyclohexane, 1-bromo-3-methyl-	* 69.900	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Cyclohexane, 1-ethyl-2-methyl-	* 83.900	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Cyclopentane, (2-methylpropyl)-	* 88.800	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Decane	* 150.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	n-Hexadecanoic acid	* 120.000	J	0	0	ug/Kg
P4768-04	B-4	SOIL	Nonane	* 160.000	J	0	0	ug/Kg
Total Tics :				1,442.60				
Total Concentration:				1,442.60				

Client ID : B-5

P4768-05	B-5	SOIL	1-Cyclohexyl-2-methyl-prop-2-en	* 180.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Decene, 4-methyl-, (Z)-	* 280.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Undecene, 4-methyl-	* 250.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	4-Octene, 2,6-dimethyl-, [S-(E)]-	* 490.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	7-Tetradecyne	* 170.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Benzophenone	* 450.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Butane, 2-methoxy-2-methyl-	* 2,100.000	JB	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 230.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2,4-diethyl-1-methyl-	* 370.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2-butyl-1,1,3-trimethyl-	* 370.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclooctane, 1-methyl-3-propyl-	* 160.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Dodecane, 2,7,10-trimethyl-	* 230.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Ketone, methyl 2,2,3-trimethylcyclo-	* 260.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Naphthalene, decahydro-2-methyl-	* 270.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	trans, cis-2-Ethylbicyclo[4.4.0]de-	* 410.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	trans-4a-Methyl-decahydronaphth-	* 270.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown6.651	* 170.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.022	* 180.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.239	* 200.000	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown8.833	* 280.000	J	0	0	ug/Kg
Total Tics :				7,320.00				
Total Concentration:				7,320.00				

Client ID : B-6-2

P4768-06	B-6-2	SOIL	Acenaphthylene	310.000		91.6	180	ug/Kg
P4768-06	B-6-2	SOIL	Dibenzofuran	150.000	J	89.4	180	ug/Kg
P4768-06	B-6-2	SOIL	Fluorene	230.000		90.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene	2,200.000		89	180	ug/Kg
P4768-06	B-6-2	SOIL	Anthracene	680.000		89.4	180	ug/Kg
P4768-06	B-6-2	SOIL	Carbazole	110.000	J	85	180	ug/Kg
P4768-06	B-6-2	SOIL	Fluoranthene	2,800.000	E	86.5	180	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-06	B-6-2	SOIL	Pyrene	2,300.000		87.9	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(a)anthracene	1,600.000		85.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Chrysene	1,200.000		84.2	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(b)fluoranthene	1,200.000		85.9	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(k)fluoranthene	590.000		87.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(a)pyrene	1,100.000		98.5	180	ug/Kg
P4768-06	B-6-2	SOIL	Indeno(1,2,3-cd)pyrene	400.000		82.7	180	ug/Kg
P4768-06	B-6-2	SOIL	Dibenzo(a,h)anthracene	150.000	J	86	180	ug/Kg
P4768-06	B-6-2	SOIL	Benzo(g,h,i)perylene	380.000		84.8	180	ug/Kg
Total Svoc :				15,400.00				
P4768-06	B-6-2	SOIL	Decane	*	140.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 1,7-dimethyl-	*	98.800	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 2,3,6-trimethyl-	*	120.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Naphthalene, 2,3-dimethyl-	*	130.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Nonane	*	100.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 1-methyl-	*	200.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 2,5-dimethyl-	*	90.400	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Phenanthrene, 2-methyl-	*	120.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 1-methyl-	*	210.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	93.200	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Pyrene, 4-methyl-	*	160.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	11H-Benzo[a]fluoren-11-one	*	140.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB 0	0	ug/Kg
P4768-06	B-6-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	230.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	7H-Benz[de]anthracen-7-one	*	160.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzene, 1,3-dimethyl-	*	110.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	92.500	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzo[e]pyrene	*	690.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Benzophenone	*	460.000	J 0	0	ug/Kg
P4768-06	B-6-2	SOIL	Butane, 2-methoxy-2-methyl-	*	2,100.000	JB 0	0	ug/Kg
Total Tics :				5,554.90				
Total Concentration:				20,954.90				
Client ID : B-6-2DL								
P4768-06DL	B-6-2DL	SOIL	Acenaphthylene	240.000	JD	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Fluorene	220.000	JD	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Phenanthrene	2,200.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Anthracene	660.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Fluoranthene	2,800.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Pyrene	2,100.000	D	180	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(a)anthracene	1,600.000	D	170	360	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4768
Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-06DL	B-6-2DL	SOIL	Chrysene	1,200.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(b)fluoranthene	1,300.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(k)fluoranthene	550.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(a)pyrene	1,100.000	D	200	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Indeno(1,2,3-cd)pyrene	420.000	D	170	360	ug/Kg
P4768-06DL	B-6-2DL	SOIL	Benzo(g,h,i)perylene	400.000	D	170	360	ug/Kg
Total Svoc :				14,790.00				
Total Concentration:				14,790.00				
Client ID : B-6-3								
P4768-07	B-6-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	130.000	AB	0	0	ug/Kg
P4768-07	B-6-3	SOIL	9-Octadecenamide, (Z)- *	200.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Benzophenone *	400.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Butane, 2-methoxy-2-methyl- *	2,300.000	JB	0	0	ug/Kg
P4768-07	B-6-3	SOIL	n-Hexadecanoic acid *	330.000	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Propane, 1,1-dimethoxy- *	78.900	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Supraene *	240.000	J	0	0	ug/Kg
Total Tics :				3,678.90				
Total Concentration:				3,678.90				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.8	U	87.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.7	U	88.7	180	ug/Kg
95-57-8	2-Chlorophenol	88.5	U	88.5	180	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	180	ug/Kg
98-86-2	Acetophenone	92.1	U	92.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.5	U	84.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	ug/Kg
67-72-1	Hexachloroethane	87.9	U	87.9	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	180	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.7	U	98.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.0	U	80.0	180	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	180	ug/Kg
105-60-2	Caprolactam	92.0	U	92.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.6	U	75.6	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.6	U	91.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.4	U	89.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	180	ug/Kg
84-66-2	Diethylphthalate	84.9	U	84.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	180	ug/Kg
86-73-7	Fluorene	90.6	U	90.6	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	180	ug/Kg
1912-24-9	Atrazine	96.8	U	96.8	180	ug/Kg
87-86-5	Pentachlorophenol	81.9	U	81.9	350	ug/Kg
85-01-8	Phenanthrene	89.0	U	89.0	180	ug/Kg
120-12-7	Anthracene	89.4	U	89.4	180	ug/Kg
86-74-8	Carbazole	85.1	U	85.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	180	ug/Kg
129-00-0	Pyrene	93.5	J	87.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.5	U	85.5	180	ug/Kg
218-01-9	Chrysene	84.2	U	84.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.9	U	85.9	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.5	U	87.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.5	U	98.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.7	U	82.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.0	U	86.0	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.9	U	84.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.0	U	92.0	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.1	U	79.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.5		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	72.6		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.7		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.6		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	61.5		10 - 105	61%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	114000	6.881
1146-65-2	Naphthalene-d8	389000	8.157
15067-26-2	Acenaphthene-d10	200000	9.916
1517-22-2	Phenanthrene-d10	348000	11.41
1719-03-5	Chrysene-d12	189000	14.069
1520-96-3	Perylene-d12	170000	15.586

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB	2.13	ug/Kg
	unknown5.093	210	J	5.09	ug/Kg
003404-61-3	1-Hexene, 3-methyl-	120	J	5.80	ug/Kg
054934-90-6	Cyclohexane, 1,1-(1-methylethylid	130	J	5.89	ug/Kg
075144-24-0	2-sec-Butyl-3-methyl-1-pentene	84.4	J	6.32	ug/Kg
063830-69-3	4-Nonene, 3-methyl-, (Z)-	340	J	6.42	ug/Kg
001839-88-9	Cyclohexane, 1,2,3-trimethyl-, (1.	97.5	J	6.66	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140309.D	1	11/08/24 09:45	11/08/24 19:48	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000693-62-9	4-Undecene, (E)-	200	J		7.14	ug/Kg
025183-82-8	1-Cyclohexyl-2-methyl-prop-2-en-1-	120	J		7.30	ug/Kg
	unknown7.516	190	J		7.52	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	130	J		7.68	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	140	J		7.80	ug/Kg
017302-36-2	5-Ethyldecane	96.8	J		8.21	ug/Kg
	unknown8.245	96.4	J		8.24	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	170	J		8.36	ug/Kg
066660-42-2	cis, cis-3-Ethylbicyclo[4.4.0]deca	180	J		8.45	ug/Kg
061141-80-8	Cyclohexane, 1,2-diethyl-3-methyl-	150	J		8.60	ug/Kg
024949-42-6	6-Tridecene, 7-methyl-	99.2	J		8.70	ug/Kg
017453-94-0	Undecane, 5-ethyl-	120	J		8.84	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.0	U	87.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	180	ug/Kg
95-48-7	2-Methylphenol	84.6	U	84.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.4	U	95.4	180	ug/Kg
98-86-2	Acetophenone	91.2	U	91.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84.0	ug/Kg
67-72-1	Hexachloroethane	87.1	U	87.1	180	ug/Kg
98-95-3	Nitrobenzene	95.3	U	95.3	180	ug/Kg
78-59-1	Isophorone	88.8	U	88.8	180	ug/Kg
88-75-5	2-Nitrophenol	99.2	U	99.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.8	U	97.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	180	ug/Kg
91-20-3	Naphthalene	86.7	U	86.7	180	ug/Kg
106-47-8	4-Chloroaniline	86.7	U	86.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.4	U	87.4	180	ug/Kg
105-60-2	Caprolactam	91.1	U	91.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.6	U	86.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.0	U	75.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.4	U	87.4	180	ug/Kg
88-74-4	2-Nitroaniline	99.7	U	99.7	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.8	U	90.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.3	U	87.3	180	ug/Kg
99-09-2	3-Nitroaniline	93.6	U	93.6	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.5	U	90.5	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.8	U	82.8	180	ug/Kg
118-74-1	Hexachlorobenzene	89.2	U	89.2	180	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	180	ug/Kg
87-86-5	Pentachlorophenol	81.1	U	81.1	350	ug/Kg
85-01-8	Phenanthrene	520		88.2	180	ug/Kg
120-12-7	Anthracene	160	J	88.6	180	ug/Kg
86-74-8	Carbazole	84.3	U	84.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.5	U	88.5	180	ug/Kg
206-44-0	Fluoranthene	2000		85.8	180	ug/Kg
129-00-0	Pyrene	2000		87.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		84.7	180	ug/Kg
218-01-9	Chrysene	1500		83.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.5	U	95.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		85.1	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	870		86.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	1600		97.6	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	570		82.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		85.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	570		84.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.1	U	91.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.4	U	78.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	64.8		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	62.6		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.9		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.0		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	117000	6.875
1146-65-2	Naphthalene-d8	433000	8.151
15067-26-2	Acenaphthene-d10	228000	9.91
1517-22-2	Phenanthrene-d10	371000	11.398
1719-03-5	Chrysene-d12	238000	14.045
1520-96-3	Perylene-d12	217000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1500	JB	2.12	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	88.2	AB	5.09	ug/Kg
000119-61-9	Benzophenone	270	J	10.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	180	J	11.9	ug/Kg
000613-12-7	Anthracene, 2-methyl-	280	J	11.9	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	100	J	12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	540	J	12.0	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140435.D	1	11/08/24 09:45	11/16/24 17:34	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-94-2	Naphthalene, 2-phenyl-	120	J		12.2	ug/Kg
000781-43-1	9,10-Dimethylanthracene	180	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	170	J		12.5	ug/Kg
	unknown12.539	100	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	120	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	210	J		13.2	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	120	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	120	J		13.3	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	110	J		13.5	ug/Kg
002498-76-2	Benz[a]anthracene, 2-methyl-	90.6	J		14.4	ug/Kg
000192-97-2	Benzo[e]pyrene	270	J		15.2	ug/Kg
000198-55-0	Perylene	1100	J		15.4	ug/Kg
000215-58-7	Benzo[b]triphenylene	170	J		17.2	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.2	U	90.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.1	U	91.1	190	ug/Kg
95-57-8	2-Chlorophenol	90.9	U	90.9	190	ug/Kg
95-48-7	2-Methylphenol	87.7	U	87.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.9	U	98.9	190	ug/Kg
98-86-2	Acetophenone	94.6	U	94.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	86.8	U	86.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.1	ug/Kg
67-72-1	Hexachloroethane	90.3	U	90.3	190	ug/Kg
98-95-3	Nitrobenzene	98.8	U	98.8	190	ug/Kg
78-59-1	Isophorone	92.1	U	92.1	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.4	U	93.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.2	U	82.2	190	ug/Kg
91-20-3	Naphthalene	89.9	U	89.9	190	ug/Kg
106-47-8	4-Chloroaniline	89.9	U	89.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.7	U	90.7	190	ug/Kg
105-60-2	Caprolactam	94.5	U	94.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.3	U	84.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.8	U	89.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.7	U	77.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.5	U	80.5	190	ug/Kg
92-52-4	1,1-Biphenyl	95.1	U	95.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.7	U	90.7	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.1	U	94.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.5	U	90.5	190	ug/Kg
99-09-2	3-Nitroaniline	97.1	U	97.1	190	ug/Kg
83-32-9	Acenaphthene	88.3	U	88.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	91.8	U	91.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.8	U	93.8	190	ug/Kg
84-66-2	Diethylphthalate	87.2	U	87.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.2	U	93.2	190	ug/Kg
86-73-7	Fluorene	93.0	U	93.0	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.8	U	88.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.9	U	85.9	190	ug/Kg
118-74-1	Hexachlorobenzene	92.5	U	92.5	190	ug/Kg
1912-24-9	Atrazine	99.5	U	99.5	190	ug/Kg
87-86-5	Pentachlorophenol	84.1	U	84.1	360	ug/Kg
85-01-8	Phenanthrene	91.4	U	91.4	190	ug/Kg
120-12-7	Anthracene	91.8	U	91.8	190	ug/Kg
86-74-8	Carbazole	87.4	U	87.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.7	U	91.7	190	ug/Kg
206-44-0	Fluoranthene	88.9	U	88.9	190	ug/Kg
129-00-0	Pyrene	90.3	U	90.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	87.8	U	87.8	190	ug/Kg
218-01-9	Chrysene	86.5	U	86.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.0	U	99.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.3	U	88.3	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	89.9	U	89.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.0	U	85.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.4	U	88.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.2	U	87.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.5	U	94.5	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.3	U	81.3	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.2		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	80.3		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	59.6		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	164000	6.875
1146-65-2	Naphthalene-d8	576000	8.151
15067-26-2	Acenaphthene-d10	259000	9.91
1517-22-2	Phenanthrene-d10	406000	11.398
1719-03-5	Chrysene-d12	266000	14.045
1520-96-3	Perylene-d12	205000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB	2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB	5.10	ug/Kg
000629-59-4	Tetradecane	74.0	J	9.30	ug/Kg
000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000629-50-5	Tridecane	80.9	J	10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J	11.9	ug/Kg
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	78.7	J	12.8	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140482.D	1	11/08/24 09:45	11/19/24 19:02	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000301-02-0	9-Octadecenamide, (Z)-	490	J		13.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	86.9	U	86.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.8	U	87.8	180	ug/Kg
95-57-8	2-Chlorophenol	87.6	U	87.6	180	ug/Kg
95-48-7	2-Methylphenol	84.5	U	84.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.3	U	95.3	180	ug/Kg
98-86-2	Acetophenone	91.1	U	91.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.7	U	83.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	83.9	ug/Kg
67-72-1	Hexachloroethane	87.0	U	87.0	180	ug/Kg
98-95-3	Nitrobenzene	95.2	U	95.2	180	ug/Kg
78-59-1	Isophorone	88.7	U	88.7	180	ug/Kg
88-75-5	2-Nitrophenol	99.1	U	99.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.7	U	97.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.0	U	90.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.2	U	79.2	180	ug/Kg
91-20-3	Naphthalene	86.6	U	86.6	180	ug/Kg
106-47-8	4-Chloroaniline	86.6	U	86.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.4	U	87.4	180	ug/Kg
105-60-2	Caprolactam	91.0	U	91.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.3	U	81.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.5	U	86.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.9	U	74.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.6	U	77.6	180	ug/Kg
92-52-4	1,1-Biphenyl	91.7	U	91.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.4	U	87.4	180	ug/Kg
88-74-4	2-Nitroaniline	99.6	U	99.6	180	ug/Kg
131-11-3	Dimethylphthalate	85.7	U	85.7	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.7	U	90.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.3	U	87.3	180	ug/Kg
99-09-2	3-Nitroaniline	93.5	U	93.5	180	ug/Kg
83-32-9	Acenaphthene	85.1	U	85.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.5	U	88.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.4	U	90.4	180	ug/Kg
84-66-2	Diethylphthalate	84.0	U	84.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.8	U	89.8	180	ug/Kg
86-73-7	Fluorene	89.7	U	89.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.6	U	85.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.7	U	82.7	180	ug/Kg
118-74-1	Hexachlorobenzene	89.1	U	89.1	180	ug/Kg
1912-24-9	Atrazine	95.9	U	95.9	180	ug/Kg
87-86-5	Pentachlorophenol	81.1	U	81.1	350	ug/Kg
85-01-8	Phenanthrene	88.1	U	88.1	180	ug/Kg
120-12-7	Anthracene	88.5	U	88.5	180	ug/Kg
86-74-8	Carbazole	84.2	U	84.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.4	U	88.4	180	ug/Kg
206-44-0	Fluoranthene	85.7	U	85.7	180	ug/Kg
129-00-0	Pyrene	87.0	U	87.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.6	U	84.6	180	ug/Kg
218-01-9	Chrysene	83.4	U	83.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.4	U	95.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.1	U	85.1	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.6	U	86.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.5	U	97.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.9	U	81.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.2	U	85.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.0	U	84.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.0	U	91.0	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.3	U	78.3	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	57.0		18 - 112	38%	SPK: 150
13127-88-3	Phenol-d6	55.0		15 - 107	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.0		18 - 107	38%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.2		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	46.5		10 - 116	31%	SPK: 150
1718-51-0	Terphenyl-d14	40.5		10 - 105	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.875	
1146-65-2	Naphthalene-d8	465000	8.151	
15067-26-2	Acenaphthene-d10	232000	9.91	
1517-22-2	Phenanthrene-d10	359000	11.398	
1719-03-5	Chrysene-d12	228000	14.045	
1520-96-3	Perylene-d12	171000	15.551	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB	5.09	ug/Kg
001795-26-2	Cyclohexane, 1,3,5-trimethyl-, (1.	110	J	5.29	ug/Kg
013905-48-1	Cyclohexane, 1-bromo-3-methyl-	69.9	J	5.69	ug/Kg
000111-84-2	Nonane	160	J	5.78	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	83.9	J	5.90	ug/Kg
003788-32-7	Cyclopentane, (2-methylpropyl)-	88.8	J	6.12	ug/Kg
000124-18-5	Decane	150	J	6.70	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140438.D	1	11/08/24 09:45	11/16/24 18:53	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	320	J		13.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	92.1	U	92.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.0	U	93.0	190	ug/Kg
95-57-8	2-Chlorophenol	92.7	U	92.7	190	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.8	U	44.8	88.9	ug/Kg
67-72-1	Hexachloroethane	92.2	U	92.2	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	94.0	U	94.0	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.3	U	95.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.9	U	83.9	190	ug/Kg
91-20-3	Naphthalene	91.7	U	91.7	190	ug/Kg
106-47-8	4-Chloroaniline	91.7	U	91.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	190	ug/Kg
105-60-2	Caprolactam	96.4	U	96.4	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.1	U	86.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.2	U	82.2	190	ug/Kg
92-52-4	1,1-Biphenyl	97.1	U	97.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	90.7	U	90.7	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	96.1	U	96.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	190	ug/Kg
99-09-2	3-Nitroaniline	99.1	U	99.1	190	ug/Kg
83-32-9	Acenaphthene	90.1	U	90.1	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	93.7	U	93.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.7	U	95.7	190	ug/Kg
84-66-2	Diethylphthalate	89.0	U	89.0	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.1	U	95.1	190	ug/Kg
86-73-7	Fluorene	95.0	U	95.0	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	85.9	U	85.9	370	ug/Kg
85-01-8	Phenanthrene	93.3	U	93.3	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	190	ug/Kg
86-74-8	Carbazole	89.2	U	89.2	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	190	ug/Kg
206-44-0	Fluoranthene	90.7	U	90.7	190	ug/Kg
129-00-0	Pyrene	92.2	U	92.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.6	U	89.6	190	ug/Kg
218-01-9	Chrysene	88.3	U	88.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.1	U	90.1	190	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	91.7	U	91.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.2	U	90.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.0	U	89.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.4	U	96.4	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.0	U	83.0	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	91.7		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	85.6		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.0		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	63.7		10 - 105	64%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	97800	6.875
1146-65-2	Naphthalene-d8	331000	8.151
15067-26-2	Acenaphthene-d10	156000	9.904
1517-22-2	Phenanthrene-d10	250000	11.398
1719-03-5	Chrysene-d12	156000	14.062
1520-96-3	Perylene-d12	144000	15.568

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.14	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	230	J	5.09	ug/Kg
255885-37-1	Cyclooctane, 1-methyl-3-propyl-	160	J	5.89	ug/Kg
062960-76-3	4-Octene, 2,6-dimethyl-, [S-(E)]-	490	J	6.41	ug/Kg
	unknown6.651	170	J	6.65	ug/Kg
035216-11-6	7-Tetradecyne	170	J	6.96	ug/Kg
074630-30-1	2-Decene, 4-methyl-, (Z)-	280	J	7.14	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140508.D	1	11/08/24 09:45	11/20/24 19:09	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
025183-82-8	1-Cyclohexyl-2-methyl-prop-2-en-1-	180	J		7.29	ug/Kg
017983-22-1	Ketone, methyl 2,2,3-trimethylcycl	260	J		7.51	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	270	J		7.67	ug/Kg
002547-27-5	trans-4a-Methyl-decahydronaphthale	270	J		7.79	ug/Kg
	unknown8.022	180	J		8.02	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	230	J		8.20	ug/Kg
	unknown8.239	200	J		8.24	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	370	J		8.36	ug/Kg
066660-39-7	trans, cis-2-Ethylbicyclo[4.4.0]de	410	J		8.44	ug/Kg
061142-70-9	Cyclohexane, 2,4-diethyl-1-methyl-	370	J		8.59	ug/Kg
091695-32-8	2-Undecene, 4-methyl-	250	J		8.69	ug/Kg
	unknown8.833	280	J		8.83	ug/Kg
000119-61-9	Benzophenone	450	J		10.6	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.8	U	87.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	180	ug/Kg
95-57-8	2-Chlorophenol	88.4	U	88.4	180	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	180	ug/Kg
98-86-2	Acetophenone	92.0	U	92.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.5	U	84.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.7	ug/Kg
67-72-1	Hexachloroethane	87.9	U	87.9	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	180	ug/Kg
78-59-1	Isophorone	89.6	U	89.6	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.7	U	98.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.0	U	80.0	180	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.2	U	88.2	180	ug/Kg
105-60-2	Caprolactam	91.9	U	91.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.6	U	75.6	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.2	U	88.2	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.5	U	86.5	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	310		91.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.1	U	88.1	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	150	J	89.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	180	ug/Kg
84-66-2	Diethylphthalate	84.8	U	84.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	180	ug/Kg
86-73-7	Fluorene	230		90.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.4	U	86.4	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	180	ug/Kg
118-74-1	Hexachlorobenzene	90.0	U	90.0	180	ug/Kg
1912-24-9	Atrazine	96.8	U	96.8	180	ug/Kg
87-86-5	Pentachlorophenol	81.9	U	81.9	350	ug/Kg
85-01-8	Phenanthrene	2200		89.0	180	ug/Kg
120-12-7	Anthracene	680		89.4	180	ug/Kg
86-74-8	Carbazole	110	J	85.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	180	ug/Kg
206-44-0	Fluoranthene	2800	E	86.5	180	ug/Kg
129-00-0	Pyrene	2300		87.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1600		85.5	180	ug/Kg
218-01-9	Chrysene	1200		84.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		85.9	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	590		87.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	1100		98.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	400		82.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	86.0	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380		84.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.9	U	91.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.1	U	79.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.0		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	75.2		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.5		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.8		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.5		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	61.9		10 - 105	62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	109000	6.881
1146-65-2	Naphthalene-d8	377000	8.157
15067-26-2	Acenaphthene-d10	191000	9.916
1517-22-2	Phenanthrene-d10	335000	11.41
1719-03-5	Chrysene-d12	199000	14.063
1520-96-3	Perylene-d12	181000	15.562

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB	2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB	5.09	ug/Kg
000108-38-3	Benzene, 1,3-dimethyl-	110	J	5.73	ug/Kg
000111-84-2	Nonane	100	J	5.79	ug/Kg
000124-18-5	Decane	140	J	6.71	ug/Kg
000575-37-1	Naphthalene, 1,7-dimethyl-	98.8	J	9.50	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	130	J	9.57	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140310.D	1	11/08/24 09:45	11/08/24 20:14	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000829-26-5	Naphthalene, 2,3,6-trimethyl-	120	J		10.3	ug/Kg
000119-61-9	Benzophenone	460	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	120	J		11.9	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	200	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	90.4	J		12.5	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	93.2	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	210	J		13.1	ug/Kg
003353-12-6	Pyrene, 4-methyl-	160	J		13.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	140	J		13.7	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	92.5	J		13.8	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	160	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	690	J		15.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	UD	390	700	ug/Kg
108-95-2	Phenol	180	UD	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	UD	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	UD	180	360	ug/Kg
95-48-7	2-Methylphenol	170	UD	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	UD	190	360	ug/Kg
98-86-2	Acetophenone	180	UD	180	360	ug/Kg
65794-96-9	3+4-Methylphenols	170	UD	170	700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.4	UD	85.4	170	ug/Kg
67-72-1	Hexachloroethane	180	UD	180	360	ug/Kg
98-95-3	Nitrobenzene	190	UD	190	360	ug/Kg
78-59-1	Isophorone	180	UD	180	360	ug/Kg
88-75-5	2-Nitrophenol	200	UD	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	200	UD	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	160	UD	160	360	ug/Kg
91-20-3	Naphthalene	170	UD	170	360	ug/Kg
106-47-8	4-Chloroaniline	170	UD	170	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	UD	180	360	ug/Kg
105-60-2	Caprolactam	180	UD	180	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	UD	160	360	ug/Kg
91-57-6	2-Methylnaphthalene	170	UD	170	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	UD	330	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	UD	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UD	160	360	ug/Kg
92-52-4	1,1-Biphenyl	190	UD	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	360	ug/Kg
88-74-4	2-Nitroaniline	200	UD	200	360	ug/Kg
131-11-3	Dimethylphthalate	170	UD	170	360	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	240	JD	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	360	ug/Kg
99-09-2	3-Nitroaniline	190	UD	190	360	ug/Kg
83-32-9	Acenaphthene	170	UD	170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	510	UD	510	700	ug/Kg
100-02-7	4-Nitrophenol	250	UD	250	700	ug/Kg
132-64-9	Dibenzofuran	180	UD	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	UD	180	360	ug/Kg
84-66-2	Diethylphthalate	170	UD	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	UD	180	360	ug/Kg
86-73-7	Fluorene	220	JD	180	360	ug/Kg
100-01-6	4-Nitroaniline	230	UD	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	UD	250	700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	UD	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	UD	170	360	ug/Kg
118-74-1	Hexachlorobenzene	180	UD	180	360	ug/Kg
1912-24-9	Atrazine	190	UD	190	360	ug/Kg
87-86-5	Pentachlorophenol	160	UD	160	700	ug/Kg
85-01-8	Phenanthrene	2200	D	180	360	ug/Kg
120-12-7	Anthracene	660	D	180	360	ug/Kg
86-74-8	Carbazole	170	UD	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	UD	180	360	ug/Kg
206-44-0	Fluoranthene	2800	D	170	360	ug/Kg
129-00-0	Pyrene	2100	D	180	360	ug/Kg
85-68-7	Butylbenzylphthalate	210	UD	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	UD	210	700	ug/Kg
56-55-3	Benzo(a)anthracene	1600	D	170	360	ug/Kg
218-01-9	Chrysene	1200	D	170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	UD	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	230	UD	230	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300	D	170	360	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2DL	SDG No.:	P4768
Lab Sample ID:	P4768-06DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140378.D	2	11/08/24 09:45	11/14/24 22:20	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	550	D	170	360	ug/Kg
50-32-8	Benzo(a)pyrene	1100	D	200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420	D	170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	UD	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	400	D	170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	UD	180	360	ug/Kg
123-91-1	1,4-Dioxane	230	UD	230	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	360	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.9		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	78.5		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.1		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.8		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	54.5		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	6.875
1146-65-2	Naphthalene-d8	505000	8.157
15067-26-2	Acenaphthene-d10	233000	9.91
1517-22-2	Phenanthrene-d10	350000	11.398
1719-03-5	Chrysene-d12	247000	14.051
1520-96-3	Perylene-d12	180000	15.539

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	86.8	U	86.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.7	U	87.7	180	ug/Kg
95-57-8	2-Chlorophenol	87.5	U	87.5	180	ug/Kg
95-48-7	2-Methylphenol	84.4	U	84.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.2	U	95.2	180	ug/Kg
98-86-2	Acetophenone	91.0	U	91.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.6	U	83.6	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	83.8	ug/Kg
67-72-1	Hexachloroethane	86.9	U	86.9	180	ug/Kg
98-95-3	Nitrobenzene	95.1	U	95.1	180	ug/Kg
78-59-1	Isophorone	88.6	U	88.6	180	ug/Kg
88-75-5	2-Nitrophenol	99.0	U	99.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.6	U	97.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	89.9	U	89.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.1	U	79.1	180	ug/Kg
91-20-3	Naphthalene	86.5	U	86.5	180	ug/Kg
106-47-8	4-Chloroaniline	86.5	U	86.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.3	U	87.3	180	ug/Kg
105-60-2	Caprolactam	90.9	U	90.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.2	U	81.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.4	U	86.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.5	U	77.5	180	ug/Kg
92-52-4	1,1-Biphenyl	91.6	U	91.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.3	U	87.3	180	ug/Kg
88-74-4	2-Nitroaniline	99.5	U	99.5	180	ug/Kg
131-11-3	Dimethylphthalate	85.6	U	85.6	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.6	U	90.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.2	U	87.2	180	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	180	ug/Kg
83-32-9	Acenaphthene	85.0	U	85.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.4	U	88.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.3	U	90.3	180	ug/Kg
84-66-2	Diethylphthalate	83.9	U	83.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.7	U	89.7	180	ug/Kg
86-73-7	Fluorene	89.6	U	89.6	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.5	U	85.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.6	U	82.6	180	ug/Kg
118-74-1	Hexachlorobenzene	89.0	U	89.0	180	ug/Kg
1912-24-9	Atrazine	95.7	U	95.7	180	ug/Kg
87-86-5	Pentachlorophenol	81.0	U	81.0	350	ug/Kg
85-01-8	Phenanthrene	88.0	U	88.0	180	ug/Kg
120-12-7	Anthracene	88.4	U	88.4	180	ug/Kg
86-74-8	Carbazole	84.1	U	84.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.3	U	88.3	180	ug/Kg
206-44-0	Fluoranthene	85.6	U	85.6	180	ug/Kg
129-00-0	Pyrene	86.9	U	86.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.5	U	84.5	180	ug/Kg
218-01-9	Chrysene	83.3	U	83.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.3	U	95.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.0	U	85.0	180	ug/Kg

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.5	U	86.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.4	U	97.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.8	U	81.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.1	U	85.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.9	U	83.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.9	U	90.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.2	U	78.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	91.7		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	87.5		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.4		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	72.6		10 - 105	73%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.875
1146-65-2	Naphthalene-d8	442000	8.151
15067-26-2	Acenaphthene-d10	205000	9.91
1517-22-2	Phenanthrene-d10	338000	11.398
1719-03-5	Chrysene-d12	205000	14.045
1520-96-3	Perylene-d12	164000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2300	JB	2.16	ug/Kg
004744-10-9	Propane, 1,1-dimethoxy-	78.9	J	2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB	5.10	ug/Kg
000119-61-9	Benzophenone	400	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J	11.9	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	200	J	13.5	ug/Kg
007683-64-9	Supraene	240	J	14.9	ug/Kg

Report of Analysis

Client:	JPCL Engineering		Date Collected:	11/07/24	
Project:	Trenton Youth Wrestling		Date Received:	11/07/24	
Client Sample ID:	B-6-3		SDG No.:	P4768	
Lab Sample ID:	P4768-07		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	95.4	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-TCL BNA -20	
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140486.D	1	11/08/24 09:45	11/19/24 20:47	PB164789

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/08/24	11/07/24
P4768-02	B-3-2	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/16/24	11/07/24
P4768-03	B-3-3	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/19/24	11/07/24
P4768-04	B-4	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/16/24	11/07/24
P4768-05	B-5	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/20/24	11/07/24
P4768-06	B-6-2	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/08/24	11/07/24
P4768-06DL	B-6-2DL	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/14/24	11/07/24
P4768-07	B-6-3	SOIL	SVOC-TCL BNA -20	8270E	11/07/24	11/08/24	11/19/24	11/07/24



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

Hit Summary Sheet
SW-846

SDG No.: P4768

Order ID: P4768

Client: JPCL Engineering

Project ID: Trenton Youth Wrestling

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

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107811.D	1	11/08/24 08:45	11/08/24 14:29	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		32 - 175	95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107812.D	1	11/08/24 08:45	11/08/24 14:45	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	17.8	ug/kg
11104-28-2	Aroclor-1221	6.70	U	6.70	17.8	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	17.8	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	17.8	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	17.8	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	17.8	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	17.8	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.8	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	17.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		32 - 175	94%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107813.D	1	11/08/24 08:45	11/08/24 15:01	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.5	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.5	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.5	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.5	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.5	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.5	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.5	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.5	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.0		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		32 - 175	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107814.D	1	11/08/24 08:45	11/08/24 15:17	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	17.8	ug/kg
11104-28-2	Aroclor-1221	6.70	U	6.70	17.8	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	17.8	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	17.8	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	17.8	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	17.8	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	17.8	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.8	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	17.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.9		32 - 144	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		32 - 175	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107815.D	1	11/08/24 08:45	11/08/24 15:33	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	87%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107818.D	1	11/08/24 08:45	11/08/24 17:10	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.7		32 - 144	128%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		32 - 175	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107819.D	1	11/08/24 08:45	11/08/24 17:26	PB164787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.8	ug/kg
11104-28-2	Aroclor-1221	6.70	U	6.70	17.8	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	17.8	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.8	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	17.8	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	17.8	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	17.8	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.8	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.0		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		32 - 175	113%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-02	B-3-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-03	B-3-3	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-04	B-4	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-05	B-5	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-06	B-6-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
P4768-07	B-6-3	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24



SAMPLE DATA

A

B

C

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 22:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	2.80		1	0.40	1.06	mg/kg	FE051212.D
Aliphatic C12-C16	Aliphatic C12-C16	2.34		1	0.25	0.71	mg/kg	FE051212.D
Aliphatic C16-C21	Aliphatic C16-C21	12.8		1	0.32	1.06	mg/kg	FE051212.D
Aliphatic C21-C28	Aliphatic C21-C28	85.6		5	4.24	7.06	mg/kg	FE051227.D
Aliphatic C28-C40	Aliphatic C28-C40	84.4		5	9.53	10.6	mg/kg	FE051227.D
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.32	0.71	mg/kg	FF015027.D
Aromatic C12-C16	Aromatic C12-C16	2.72		1	0.36	1.06	mg/kg	FF015027.D
Aromatic C16-C21	Aromatic C16-C21	5.22		1	1.02	1.77	mg/kg	FF015027.D
Aromatic C21-C36	Aromatic C21-C36	43.3		1	2.12	2.82	mg/kg	FF015027.D
Total AliphaticEPH	Total AliphaticEPH	188			14.7	20.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	51.7			3.82	6.36	mg/kg	
Total EPH	Total EPH	240			18.6	26.8	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051212.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	2.80		0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.34		0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.8		0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	82.7	E	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.7	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-01	Acq On:	13 Nov 2024 22:43
Client Sample ID:	B-3-1	Operator:	YP\AJ
Data file:	FE051212.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	5541837	39.609	300	ug/ml
Aliphatic C12-C16	6.756	10.187	4667509	33.189	200	ug/ml
Aliphatic C16-C21	10.188	13.546	24879875	180.593	300	ug/ml
Aliphatic C21-C28	13.547	17.200	156803413	1170	400	ug/ml
Aliphatic C28-C40	17.201	22.043	128830106	1000	600	ug/ml
Aliphatic EPH	3.138	22.043	320722740	2420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	3016977	26.57		ug/ml
Aliphatic C9-C28	3.138	17.200	191892634	1420	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015027.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.43	J	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.72		0.36	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.22		1.02	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	43.3		2.12	2.82	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.8		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.8		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-01	Acq On:	14 Nov 2024 10:02
Client Sample ID:	B-3-1	Operator:	YP\AJ
Data file:	FF015027.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.173	932844	6.035	200	ug/ml
Aromatic C12-C16	6.174	9.065	5913565	38.51	300	ug/ml
Aromatic C16-C21	9.066	13.377	10513101	73.986	500	ug/ml
Aromatic C21-C36	13.378	18.821	84568165	612.631	800	ug/ml
Aromatic EPH	4.508	18.821	101927675	731.161		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	3974375	26.98		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	6363749	47.82		ug/ml
2-Fluorobiphenyl (SURR)	8.867	8.867	4171730	46.77		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1DL	SDG No.:	P4768
Lab Sample ID:	P4768-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051227.D	5	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	2.27	J	2.01	5.30	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.69	J	1.27	3.53	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.3		1.59	5.30	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	85.6		4.24	7.06	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.4		9.53	10.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.48		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-01DL	Acq On:	14 Nov 2024 09:09
Client Sample ID:	B-3-1DL	Operator:	YP\AJ
Data file:	FE051227.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.753	900000	6.432	300	ug/ml
Aliphatic C12-C16	6.754	10.184	1069911	7.608	200	ug/ml
Aliphatic C16-C21	10.185	13.542	5568967	40.423	300	ug/ml
Aliphatic C21-C28	13.543	17.196	32494216	242.582	400	ug/ml
Aliphatic C28-C40	17.197	22.038	30792159	239.165	600	ug/ml
Aliphatic EPH	3.135	22.038	70825253	536.21		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	621620	5.48		ug/ml
Aliphatic C9-C28	3.135	17.196	40033094	297.045	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 23:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.05	mg/kg	FE051213.D
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	1	0.25	0.70	mg/kg	FE051213.D
Aliphatic C16-C21	Aliphatic C16-C21	0.50	J	1	0.32	1.05	mg/kg	FE051213.D
Aliphatic C21-C28	Aliphatic C21-C28	0.89	J	1	0.84	1.40	mg/kg	FE051213.D
Aliphatic C28-C40	Aliphatic C28-C40	9.48		1	1.89	2.10	mg/kg	FE051213.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.70	mg/kg	FF015013.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.05	mg/kg	FF015013.D
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1	1.01	1.75	mg/kg	FF015013.D
Aromatic C21-C36	Aromatic C21-C36	2.10	U	1	2.10	2.80	mg/kg	FF015013.D
Total AliphaticEPH	Total AliphaticEPH	11.5			3.70	6.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.78	U		3.78	6.30	mg/kg	
Total EPH	Total EPH	13.1			7.48	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051213.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.50	J	0.32	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.89	J	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.48		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-02	Acq On:	13 Nov 2024 23:13
Client Sample ID:	B-3-2	Operator:	YP\AJ
Data file:	FE051213.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	485188	3.468	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1340418	9.531	200	ug/ml
Aliphatic C16-C21	10.188	13.546	989856	7.185	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1700083	12.692	400	ug/ml
Aliphatic C28-C40	17.201	22.043	17419388	135.298	600	ug/ml
Aliphatic EPH	3.138	22.043	21934933	168.173		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3747520	33.01		ug/ml
Aliphatic C9-C28	3.138	17.200	4515545	32.876	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015013.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	U	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1.01	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.10	U	2.10	2.80	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.2		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	45%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-02	Acq On:	13 Nov 2024 16:46
Client Sample ID:	B-3-2	Operator:	YP\AJ
Data file:	FF015013.D	Misc:	
Instrument:	FID_F	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	416534	2.695	200	ug/ml
Aromatic C12-C16	6.373	9.063	577088	3.758	300	ug/ml
Aromatic C16-C21	9.064	13.374	3100877	21.822	500	ug/ml
Aromatic C21-C36	13.375	18.815	3083206	22.335	800	ug/ml
Aromatic EPH	4.508	18.815	7177705	50.611		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	3289488	22.33		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	6016654	45.21		ug/ml
2-Fluorobiphenyl (SURR)	8.864	8.864	3832132	42.97		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 23:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.09	mg/kg	FE051214.D
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	1	0.26	0.73	mg/kg	FE051214.D
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	1	0.33	1.09	mg/kg	FE051214.D
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	1	0.87	1.45	mg/kg	FE051214.D
Aliphatic C28-C40	Aliphatic C28-C40	8.01		1	1.96	2.18	mg/kg	FE051214.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.73	mg/kg	FF015014.D
Aromatic C12-C16	Aromatic C12-C16	3.32		1	0.37	1.09	mg/kg	FF015014.D
Aromatic C16-C21	Aromatic C16-C21	1.74	J	1	1.05	1.81	mg/kg	FF015014.D
Aromatic C21-C36	Aromatic C21-C36	2.18	U	1	2.18	2.90	mg/kg	FF015014.D
Total AliphaticEPH	Total AliphaticEPH	9.30			3.83	6.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.06	J		3.93	6.53	mg/kg	
Total EPH	Total EPH	14.4			7.76	13.1	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051214.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	0.41	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	0.87	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.01		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.4		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-03	Acq On:	13 Nov 2024 23:43
Client Sample ID:	B-3-3	Operator:	YP\AJ
Data file:	FE051214.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	530517	3.792	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1296984	9.222	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1177354	8.546	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1148217	8.572	400	ug/ml
Aliphatic C28-C40	17.201	22.043	14204488	110.327	600	ug/ml
Aliphatic EPH	3.138	22.043	18357560	140.459		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3225263	28.41		ug/ml
Aliphatic C9-C28	3.138	17.200	4153072	30.132	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015014.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.32		0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.74	J	1.05	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.18	U	2.18	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.0		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.5		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.6		40 - 140	43%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-03	Acq On:	13 Nov 2024 17:14
Client Sample ID:	B-3-3	Operator:	YP\AJ
Data file:	FF015014.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	481088	3.112	200	ug/ml
Aromatic C12-C16	6.373	9.063	7028894	45.773	300	ug/ml
Aromatic C16-C21	9.064	13.374	3398527	23.917	500	ug/ml
Aromatic C21-C36	13.375	18.815	1930318	13.984	800	ug/ml
Aromatic EPH	4.508	18.815	12838827	86.786		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	3187830	21.64		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	6250433	46.97		ug/ml
2-Flurobiphenyl (SURR)	8.865	8.865	4148417	46.51		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 0:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.05	mg/kg	FE051215.D
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	1	0.25	0.70	mg/kg	FE051215.D
Aliphatic C16-C21	Aliphatic C16-C21	0.42	J	1	0.32	1.05	mg/kg	FE051215.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.40	mg/kg	FE051215.D
Aliphatic C28-C40	Aliphatic C28-C40	6.28		1	1.89	2.10	mg/kg	FE051215.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.70	mg/kg	FF015015.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.05	mg/kg	FF015015.D
Aromatic C16-C21	Aromatic C16-C21	1.71	J	1	1.01	1.75	mg/kg	FF015015.D
Aromatic C21-C36	Aromatic C21-C36	2.10	U	1	2.10	2.80	mg/kg	FF015015.D
Total AliphaticEPH	Total AliphaticEPH	7.21			3.69	6.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.78	U		3.78	6.30	mg/kg	
Total EPH	Total EPH	8.91	J		7.47	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051215.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.42	J	0.32	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.28		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-04	Acq On:	14 Nov 2024 00:13
Client Sample ID:	B-4	Operator:	YP\AJ
Data file:	FE051215.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	437148	3.124	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1010109	7.182	200	ug/ml
Aliphatic C16-C21	10.188	13.546	833325	6.049	300	ug/ml
Aliphatic C21-C28	13.547	17.200	773806	5.777	400	ug/ml
Aliphatic C28-C40	17.201	22.043	11569803	89.864	600	ug/ml
Aliphatic EPH	3.138	22.043	14624191	111.996		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	5104845	44.96		ug/ml
Aliphatic C9-C28	3.138	17.200	3054388	22.132	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015015.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	U	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.71	J	1.01	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.10	U	2.10	2.80	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.9		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.2		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-04	Acq On:	13 Nov 2024 17:43
Client Sample ID:	B-4	Operator:	YP\AJ
Data file:	FF015015.D	Misc:	
Instrument:	FID_F	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	420100	2.718	200	ug/ml
Aromatic C12-C16	6.373	9.063	573233	3.733	300	ug/ml
Aromatic C16-C21	9.064	13.374	3475811	24.461	500	ug/ml
Aromatic C21-C36	13.375	18.815	1966535	14.246	800	ug/ml
Aromatic EPH	4.508	18.815	6435679	45.158		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	5921184	40.2		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	6641894	49.91		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	4384160	49.16		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 0:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	U	1	0.42	1.11	mg/kg	FE051216.D
Aliphatic C12-C16	Aliphatic C12-C16	0.59	J	1	0.27	0.74	mg/kg	FE051216.D
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	1	0.33	1.11	mg/kg	FE051216.D
Aliphatic C21-C28	Aliphatic C21-C28	0.89	U	1	0.89	1.48	mg/kg	FE051216.D
Aliphatic C28-C40	Aliphatic C28-C40	5.68		1	1.99	2.22	mg/kg	FE051216.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.74	mg/kg	FF015016.D
Aromatic C12-C16	Aromatic C12-C16	2.14		1	0.38	1.11	mg/kg	FF015016.D
Aromatic C16-C21	Aromatic C16-C21	1.88		1	1.06	1.85	mg/kg	FF015016.D
Aromatic C21-C36	Aromatic C21-C36	2.22	U	1	2.22	2.96	mg/kg	FF015016.D
Total AliphaticEPH	Total AliphaticEPH	6.86			3.90	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.02	J		3.99	6.66	mg/kg	
Total EPH	Total EPH	10.9	J		7.88	13.3	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051216.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	U	0.42	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.59	J	0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	0.33	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.89	U	0.89	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.68		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-05	Acq On:	14 Nov 2024 00:43
Client Sample ID:	B-5	Operator:	YP\AJ
Data file:	FE051216.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	427644	3.056	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1113798	7.92	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1112882	8.078	300	ug/ml
Aliphatic C21-C28	13.547	17.200	831204	6.205	400	ug/ml
Aliphatic C28-C40	17.201	22.043	9905179	76.934	600	ug/ml
Aliphatic EPH	3.138	22.043	13390707	102.194		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	4891539	43.09		ug/ml
Aliphatic C9-C28	3.138	17.200	3485528	25.259	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015016.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.14		0.38	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.88		1.06	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.22	U	2.22	2.96	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.1		40 - 140	88%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-05	Acq On:	13 Nov 2024 18:11
Client Sample ID:	B-5	Operator:	YP\AJ
Data file:	FF015016.D	Misc:	
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	435444	2.817	200	ug/ml
Aromatic C12-C16	6.373	9.063	4456092	29.018	300	ug/ml
Aromatic C16-C21	9.064	13.374	3620167	25.477	500	ug/ml
Aromatic C21-C36	13.375	18.815	1382358	10.014	800	ug/ml
Aromatic EPH	4.508	18.815	9894061	67.327		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	4877762	33.12		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	5873441	44.13		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	3913034	43.87		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 1:14	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.62	J	1	0.40	1.06	mg/kg	FE051217.D
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	1	0.25	0.71	mg/kg	FE051217.D
Aliphatic C16-C21	Aliphatic C16-C21	0.55	J	1	0.32	1.06	mg/kg	FE051217.D
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	1	0.85	1.41	mg/kg	FE051217.D
Aliphatic C28-C40	Aliphatic C28-C40	8.36		1	1.91	2.12	mg/kg	FE051217.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.71	mg/kg	FF015017.D
Aromatic C12-C16	Aromatic C12-C16	5.94		1	0.36	1.06	mg/kg	FF015017.D
Aromatic C16-C21	Aromatic C16-C21	5.82		1	1.02	1.77	mg/kg	FF015017.D
Aromatic C21-C36	Aromatic C21-C36	8.16		1	2.12	2.83	mg/kg	FF015017.D
Total AliphaticEPH	Total AliphaticEPH	10.2			3.73	6.36	mg/kg	
Total AromaticEPH	Total AromaticEPH	19.9			3.82	6.37	mg/kg	
Total EPH	Total EPH	30.1			7.55	12.7	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051217.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.62	J	0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.55	J	0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.36		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-06	Acq On:	14 Nov 2024 01:14
Client Sample ID:	B-6-2	Operator:	YP\AJ
Data file:	FE051217.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	1226740	8.768	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1261251	8.968	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1066873	7.744	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1281396	9.566	400	ug/ml
Aliphatic C28-C40	17.201	22.043	15248742	118.438	600	ug/ml
Aliphatic EPH	3.138	22.043	20085002	153.484		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3664720	32.28		ug/ml
Aliphatic C9-C28	3.138	17.200	4836260	35.046	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015017.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.94		0.36	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.82		1.02	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.16		2.12	2.83	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.1		40 - 140	106%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-06	Acq On:	13 Nov 2024 18:39
Client Sample ID:	B-6-2	Operator:	YP\AJ
Data file:	FF015017.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	612295	3.961	200	ug/ml
Aromatic C12-C16	6.373	9.063	12912613	84.088	300	ug/ml
Aromatic C16-C21	9.064	13.374	11709550	82.406	500	ug/ml
Aromatic C21-C36	13.375	18.815	15943860	115.501	800	ug/ml
Aromatic EPH	4.508	18.815	41178318	285.956		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	3957060	26.87		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	7064149	53.08		ug/ml
2-Fluorobiphenyl (SURR)	8.866	8.866	4727508	53.01		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 17:52	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	1	0.40	1.05	mg/kg	FC067738.D
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	1	0.25	0.70	mg/kg	FC067738.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	1	0.31	1.05	mg/kg	FC067738.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.40	mg/kg	FC067738.D
Aliphatic C28-C40	Aliphatic C28-C40	6.13		1	1.88	2.09	mg/kg	FC067738.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.70	mg/kg	FD048719.D
Aromatic C12-C16	Aromatic C12-C16	0.76	J	1	0.36	1.05	mg/kg	FD048719.D
Aromatic C16-C21	Aromatic C16-C21	11.0		1	1.00	1.74	mg/kg	FD048719.D
Aromatic C21-C36	Aromatic C21-C36	13.1		1	2.09	2.79	mg/kg	FD048719.D
Total AliphaticEPH	Total AliphaticEPH	7.48			3.68	6.29	mg/kg	
Total AromaticEPH	Total AromaticEPH	24.9			3.76	6.28	mg/kg	
Total EPH	Total EPH	32.3			7.44	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067738.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	0.31	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.13		1.88	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-07	Acq On:	13 Nov 2024 17:52
Client Sample ID:	B-6-3	Operator:	YP/AJ
Data file:	FC067738.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.169	6.447	822988	6.075	300	ug/ml
Aliphatic C12-C16	6.448	9.836	1005838	7.638	200	ug/ml
Aliphatic C16-C21	9.837	13.192	723566	5.687	300	ug/ml
Aliphatic C21-C28	13.193	16.845	1355381	11.286	400	ug/ml
Aliphatic C28-C40	16.846	21.681	8878743	87.827	600	ug/ml
Aliphatic EPH	3.169	21.681	12786516	118.514		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.926	12.926	5434579	50.33		ug/ml
Aliphatic C9-C28	3.169	16.845	3907773	30.686	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048719.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.76	J	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	11.0		1.00	1.74	mg/kg
Aromatic C21-C36	Aromatic C21-C36	13.1		2.09	2.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.2		40 - 140	86%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.1		40 - 140	44%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-07	Acq On:	13 Nov 2024 17:52
Client Sample ID:	B-6-3	Operator:	YP/AJ
Data file:	FD048719.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.089	5.807	527436	2.993	200	ug/ml
Aromatic C12-C16	5.808	8.412	1938839	10.937	300	ug/ml
Aromatic C16-C21	8.413	12.673	25825021	157.631	500	ug/ml
Aromatic C21-C36	12.674	18.078	28696470	187.911	800	ug/ml
Aromatic EPH	4.089	18.078	56987766	359.472		ug/ml
ortho-Terphenyl (SURR)	11.249	11.249	3773518	22.15		ug/ml
2-Bromonaphthalene (SURR)	7.366	7.366	6559605	43.22		ug/ml
2-Fluorobiphenyl (SURR)	8.216	8.216	4139882	42.16		ug/ml

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-01DL	B-3-1DL	Solid	EPH	NJEPH	11/07/24	11/13/24	11/14/24	11/07/24
P4768-02	B-3-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-03	B-3-3	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-04	B-4	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-05	B-5	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-06	B-6-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-07	B-6-3	SOIL			11/07/24			11/07/24

LAB CHRONICLE

PCB	8082A	11/08/24	11/08/24
EPH	NJEPH	11/13/24	11/13/24

Hit Summary Sheet SW-846

SDG No.: P4768 **Order ID:** P4768
Client: JPCL Engineering **Project ID:** Trenton Youth Wrestling

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-3-1								
P4768-01	B-3-1	SOIL	Arsenic	6.81		0.28	0.97	mg/Kg
P4768-01	B-3-1	SOIL	Barium	31.6		0.62	4.85	mg/Kg
P4768-01	B-3-1	SOIL	Cadmium	2.39		0.016	0.29	mg/Kg
P4768-01	B-3-1	SOIL	Chromium	36.7		0.052	0.49	mg/Kg
P4768-01	B-3-1	SOIL	Lead	6.89		0.14	0.58	mg/Kg
P4768-01	B-3-1	SOIL	Mercury	0.019		0.0060	0.013	mg/Kg
P4768-01	B-3-1	SOIL	Silver	0.44	J	0.050	0.49	mg/Kg
Client ID : B-3-2								
P4768-02	B-3-2	SOIL	Arsenic	2.36		0.28	0.96	mg/Kg
P4768-02	B-3-2	SOIL	Barium	26.0		0.61	4.78	mg/Kg
P4768-02	B-3-2	SOIL	Cadmium	0.58		0.015	0.29	mg/Kg
P4768-02	B-3-2	SOIL	Chromium	9.12		0.052	0.48	mg/Kg
P4768-02	B-3-2	SOIL	Lead	13.0		0.14	0.57	mg/Kg
P4768-02	B-3-2	SOIL	Mercury	0.14		0.0060	0.013	mg/Kg
P4768-02	B-3-2	SOIL	Silver	0.32	J	0.050	0.48	mg/Kg
Client ID : B-3-3								
P4768-03	B-3-3	SOIL	Arsenic	2.83		0.29	1.00	mg/Kg
P4768-03	B-3-3	SOIL	Barium	39.7		0.64	5.02	mg/Kg
P4768-03	B-3-3	SOIL	Cadmium	1.21		0.016	0.30	mg/Kg
P4768-03	B-3-3	SOIL	Chromium	23.9		0.054	0.50	mg/Kg
P4768-03	B-3-3	SOIL	Lead	14.9		0.15	0.60	mg/Kg
P4768-03	B-3-3	SOIL	Mercury	0.016		0.0060	0.013	mg/Kg
P4768-03	B-3-3	SOIL	Silver	0.42	J	0.052	0.50	mg/Kg
Client ID : B-4								
P4768-04	B-4	SOIL	Arsenic	3.74		0.25	0.87	mg/Kg
P4768-04	B-4	SOIL	Barium	22.7		0.56	4.36	mg/Kg
P4768-04	B-4	SOIL	Cadmium	1.17		0.014	0.26	mg/Kg
P4768-04	B-4	SOIL	Chromium	9.27		0.047	0.44	mg/Kg
P4768-04	B-4	SOIL	Lead	7.22		0.13	0.52	mg/Kg
P4768-04	B-4	SOIL	Mercury	0.28		0.0060	0.012	mg/Kg
P4768-04	B-4	SOIL	Silver	0.32	J	0.045	0.44	mg/Kg
Client ID : B-5								
P4768-05	B-5	SOIL	Arsenic	0.42	J	0.26	0.91	mg/Kg
P4768-05	B-5	SOIL	Barium	58.2		0.58	4.54	mg/Kg
P4768-05	B-5	SOIL	Cadmium	0.95		0.015	0.27	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4768

Order ID: P4768

Client: JPCL Engineering

Project ID: Trenton Youth Wrestling

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4768-05	B-5	SOIL	Chromium	14.4		0.049	0.45	mg/Kg
P4768-05	B-5	SOIL	Lead	6.38		0.14	0.54	mg/Kg
P4768-05	B-5	SOIL	Silver	0.32	J	0.047	0.45	mg/Kg
Client ID : B-6-2								
P4768-06	B-6-2	SOIL	Arsenic	4.17		0.29	0.99	mg/Kg
P4768-06	B-6-2	SOIL	Barium	83.2		0.63	4.93	mg/Kg
P4768-06	B-6-2	SOIL	Cadmium	0.88		0.016	0.30	mg/Kg
P4768-06	B-6-2	SOIL	Chromium	12.1		0.053	0.49	mg/Kg
P4768-06	B-6-2	SOIL	Lead	73.1		0.15	0.59	mg/Kg
P4768-06	B-6-2	SOIL	Mercury	0.63		0.0070	0.015	mg/Kg
P4768-06	B-6-2	SOIL	Silver	0.33	J	0.051	0.49	mg/Kg
Client ID : B-6-3								
P4768-07	B-6-3	SOIL	Arsenic	3.97		0.26	0.90	mg/Kg
P4768-07	B-6-3	SOIL	Barium	66.5		0.58	4.50	mg/Kg
P4768-07	B-6-3	SOIL	Cadmium	0.95		0.014	0.27	mg/Kg
P4768-07	B-6-3	SOIL	Chromium	10.3		0.049	0.45	mg/Kg
P4768-07	B-6-3	SOIL	Lead	63.9		0.14	0.54	mg/Kg
P4768-07	B-6-3	SOIL	Silver	0.32	J	0.047	0.45	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	6.81		1	0.28	0.97	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7440-39-3	Barium	31.6		1	0.62	4.85	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7440-43-9	Cadmium	2.39		1	0.016	0.29	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7440-47-3	Chromium	36.7		1	0.052	0.49	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7439-92-1	Lead	6.89		1	0.14	0.58	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7439-97-6	Mercury	0.019		1	0.0060	0.013	mg/Kg	11/11/24 16:40	11/12/24 11:27	SW7471B	
7782-49-2	Selenium	0.32	U	1	0.32	0.97	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050
7440-22-4	Silver	0.44	J	1	0.050	0.49	mg/Kg	11/08/24 13:00	11/14/24 16:45	SW6010	SW3050

Color Before:	Green	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	2.36		1	0.28	0.96	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7440-39-3	Barium	26.0		1	0.61	4.78	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7440-43-9	Cadmium	0.58		1	0.015	0.29	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7440-47-3	Chromium	9.12		1	0.052	0.48	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7439-92-1	Lead	13.0		1	0.14	0.57	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7439-97-6	Mercury	0.14		1	0.0060	0.013	mg/Kg	11/11/24 16:40	11/12/24 11:29	SW7471B	
7782-49-2	Selenium	0.32	U	1	0.32	0.96	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050
7440-22-4	Silver	0.32	J	1	0.050	0.48	mg/Kg	11/08/24 13:00	11/14/24 16:50	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	2.83		1	0.29	1.00	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7440-39-3	Barium	39.7		1	0.64	5.02	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7440-43-9	Cadmium	1.21		1	0.016	0.30	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7440-47-3	Chromium	23.9		1	0.054	0.50	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7439-92-1	Lead	14.9		1	0.15	0.60	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7439-97-6	Mercury	0.016		1	0.0060	0.013	mg/Kg	11/11/24 16:40	11/12/24 11:32	SW7471B	
7782-49-2	Selenium	0.33	U	1	0.33	1.00	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050
7440-22-4	Silver	0.42	J	1	0.052	0.50	mg/Kg	11/08/24 13:00	11/14/24 17:14	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	3.74		1	0.25	0.87	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7440-39-3	Barium	22.7		1	0.56	4.36	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7440-43-9	Cadmium	1.17		1	0.014	0.26	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7440-47-3	Chromium	9.27		1	0.047	0.44	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7439-92-1	Lead	7.22		1	0.13	0.52	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7439-97-6	Mercury	0.28		1	0.0060	0.012	mg/Kg	11/11/24 16:40	11/12/24 11:34	SW7471B	
7782-49-2	Selenium	0.29	U	1	0.29	0.87	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050
7440-22-4	Silver	0.32	J	1	0.045	0.44	mg/Kg	11/08/24 13:00	11/14/24 17:18	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	0.42	J	1	0.26	0.91	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7440-39-3	Barium	58.2		1	0.58	4.54	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7440-43-9	Cadmium	0.95		1	0.015	0.27	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7440-47-3	Chromium	14.4		1	0.049	0.45	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7439-92-1	Lead	6.38		1	0.14	0.54	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	11/11/24 16:40	11/12/24 11:44	SW7471B	
7782-49-2	Selenium	0.30	U	1	0.30	0.91	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050
7440-22-4	Silver	0.32	J	1	0.047	0.45	mg/Kg	11/08/24 13:00	11/14/24 17:31	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	4.17		1	0.29	0.99	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7440-39-3	Barium	83.2		1	0.63	4.93	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7440-43-9	Cadmium	0.88		1	0.016	0.30	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7440-47-3	Chromium	12.1		1	0.053	0.49	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7439-92-1	Lead	73.1		1	0.15	0.59	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7439-97-6	Mercury	0.63		1	0.0070	0.015	mg/Kg	11/11/24 16:40	11/12/24 11:46	SW7471B	
7782-49-2	Selenium	0.33	U	1	0.33	0.99	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050
7440-22-4	Silver	0.33	J	1	0.051	0.49	mg/Kg	11/08/24 13:00	11/14/24 17:35	SW6010	SW3050

Color Before:	Green	Clarity Before:	Texture:	Medium
Color After:	Dark Grey	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	3.97		1	0.26	0.90	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7440-39-3	Barium	66.5		1	0.58	4.50	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7440-43-9	Cadmium	0.95		1	0.014	0.27	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7440-47-3	Chromium	10.3		1	0.049	0.45	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7439-92-1	Lead	63.9		1	0.14	0.54	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	11/11/24 16:40	11/12/24 11:48	SW7471B	
7782-49-2	Selenium	0.30	U	1	0.30	0.90	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050
7440-22-4	Silver	0.32	J	1	0.047	0.45	mg/Kg	11/08/24 13:00	11/14/24 17:39	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Dark Grey	Clarity After:	Artifacts:	
Comments:	METALS RCRA			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-02	B-3-2	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-03	B-3-3	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-04	B-4	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-05	B-5	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-06	B-6-2	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	
P4768-07	B-6-3	SOIL			11/07/24			11/07/24
			Mercury	7471B		11/11/24	11/12/24	
			Metals ICP-RCRA	6010D		11/08/24	11/14/24	