



A

B

C

SAMPLE DATA

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 9:40	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	41.6		10	1.85	13.2	mg/kg FC069480.D
Aliphatic C12-C16	Aliphatic C12-C16	9.18		1	0.14	0.88	mg/kg FC069462.D
Aliphatic C16-C21	Aliphatic C16-C21	55.2		10	1.72	13.2	mg/kg FC069480.D
Aliphatic C21-C28	Aliphatic C21-C28	230		10	7.01	17.6	mg/kg FC069480.D
Aliphatic C28-C40	Aliphatic C28-C40	164		10	15.6	26.4	mg/kg FC069480.D
Aromatic C10-C12	Aromatic C10-C12	8.02		1	0.16	0.88	mg/kg FD049552.D
Aromatic C12-C16	Aromatic C12-C16	5.01		1	0.30	1.32	mg/kg FD049552.D
Aromatic C16-C21	Aromatic C16-C21	27.8		1	0.53	2.20	mg/kg FD049552.D
Aromatic C21-C36	Aromatic C21-C36	117		5	7.87	17.6	mg/kg FD049570.D
Total AliphaticEPH	Total AliphaticEPH	500			26.3	71.3	mg/kg
Total AromaticEPH	Total AromaticEPH	158			8.86	22.0	mg/kg
Total EPH	Total EPH	658			35.2	93.3	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:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069462.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.6	E	0.19	1.32	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.18		0.14	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	65.5	E	0.17	1.32	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	268	E	0.70	1.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	149	E	1.56	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-01	Acq On:	16 Jul 2025 17:35
Client Sample ID:	TRENCH	Operator:	YP/AJ
Data file:	FC069462.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	3.297	6.597	67250631	483.819	300	ug/ml
Aliphatic C12-C16	6.598	10.000	15002165	104.129	200	ug/ml
Aliphatic C16-C21	10.001	13.371	101129807	743.618	300	ug/ml
Aliphatic C21-C28	13.372	17.037	362149946	3040	400	ug/ml
Aliphatic C28-C40	17.038	22.012	152810312	1700	600	ug/ml
Aliphatic EPH	3.297	22.012	698342861	6080		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	3962321	35.06		ug/ml
Aliphatic C9-C28	3.297	17.037	545532549	4380	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049552.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.02		0.16	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.01		0.30	1.32	mg/kg
Aromatic C16-C21	Aromatic C16-C21	27.8		0.53	2.20	mg/kg
Aromatic C21-C36	Aromatic C21-C36	123	E	1.57	3.52	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	35.5		40 - 140	71%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-01	Acq On:	16 Jul 2025 17:35
Client Sample ID:	TRENCH	Operator:	YP/AJ
Data file:	FD049552.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	4.425	6.169	12536096	90.99	200	ug/ml
Aromatic C12-C16	6.170	8.797	8894382	56.903	300	ug/ml
Aromatic C16-C21	8.798	13.086	50969481	316.024	500	ug/ml
Aromatic C21-C36	13.087	18.506	196239921	1400	800	ug/ml
Aromatic EPH	4.425	18.506	268639880	1870		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	4583015	27.95		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	4641726	35.48		ug/ml
2-Flurobiphenyl (SURR)	8.599	8.599	3141478	33.9		ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069480.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	41.6		1.85	13.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.59	J	1.45	8.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	55.2		1.72	13.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	230		7.01	17.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	164		15.6	26.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.37		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-01DL	Acq On:	17 Jul 2025 09:40
Client Sample ID:	TRENCHDL	Operator:	YP/AJ
Data file:	FC069480.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	6569302	47.261	300	ug/ml
Aliphatic C12-C16	6.600	10.002	1241358	8.616	200	ug/ml
Aliphatic C16-C21	10.003	13.370	8525953	62.692	300	ug/ml
Aliphatic C21-C28	13.371	17.036	31073779	261.148	400	ug/ml
Aliphatic C28-C40	17.037	22.013	16741695	186.261	600	ug/ml
Aliphatic EPH	3.303	22.013	64152087	565.979		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	381061	3.37		ug/ml
Aliphatic C9-C28	3.303	17.036	47410392	379.717	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049570.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.83		0.79	4.41	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.45	J	1.52	6.61	mg/kg
Aromatic C16-C21	Aromatic C16-C21	24.9		2.64	11.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	117		7.87	17.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.26		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	6.91		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.68		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-01DL	Acq On:	17 Jul 2025 09:40
Client Sample ID:	TRENCHDL	Operator:	YP/AJ
Data file:	FD049570.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	2447618	17.765	200	ug/ml
Aromatic C12-C16	6.173	8.799	1931788	12.359	300	ug/ml
Aromatic C16-C21	8.800	13.090	9913986	61.469	500	ug/ml
Aromatic C21-C36	13.091	18.508	36627473	261.582	800	ug/ml
Aromatic EPH	4.430	18.508	50920865	353.176		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	950437	7.26		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	639901	6.91		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	931125	5.68		ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
07/16/25 09:25	07/17/25 10:23	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	44.1		10	1.70	12.1	mg/kg FC069481.D
Aliphatic C12-C16	Aliphatic C12-C16	6.44		1	0.13	0.81	mg/kg FC069463.D
Aliphatic C16-C21	Aliphatic C16-C21	32.2		10	1.58	12.1	mg/kg FC069481.D
Aliphatic C21-C28	Aliphatic C21-C28	159		10	6.44	16.2	mg/kg FC069481.D
Aliphatic C28-C40	Aliphatic C28-C40	81.1		10	14.3	24.3	mg/kg FC069481.D
Aromatic C10-C12	Aromatic C10-C12	9.04		1	0.15	0.81	mg/kg FD049553.D
Aromatic C12-C16	Aromatic C12-C16	5.43		1	0.28	1.21	mg/kg FD049553.D
Aromatic C16-C21	Aromatic C16-C21	19.4		1	0.49	2.02	mg/kg FD049553.D
Aromatic C21-C36	Aromatic C21-C36	83.1		5	7.23	16.2	mg/kg FD049571.D
Total AliphaticEPH	Total AliphaticEPH	323			24.2	65.5	mg/kg
Total AromaticEPH	Total AromaticEPH	117			8.14	20.2	mg/kg
Total EPH	Total EPH	440			32.3	85.8	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:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC069463.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	38.5	E	0.17	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.44		0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	41.6	E	0.16	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	185	E	0.64	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	105	E	1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05	Acq On:	16 Jul 2025 18:23
Client Sample ID:	STOCK-PILE	Operator:	YP/AJ
Data file:	FC069463.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	66074243	475.356	300	ug/ml
Aliphatic C12-C16	6.598	10.000	11459154	79.537	200	ug/ml
Aliphatic C16-C21	10.001	13.371	69907683	514.039	300	ug/ml
Aliphatic C21-C28	13.372	17.037	272883111	2290	400	ug/ml
Aliphatic C28-C40	17.038	22.012	116768937	1300	600	ug/ml
Aliphatic EPH	3.297	22.012	537093128	4660		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	4684410	41.45		ug/ml
Aliphatic C9-C28	3.297	17.037	420324191	3360	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FD049553.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.04		0.15	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.43		0.28	1.21	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.4		0.49	2.02	mg/kg
Aromatic C21-C36	Aromatic C21-C36	74.6	E	1.45	3.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.1		40 - 140	74%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05	Acq On:	16 Jul 2025 18:23
Client Sample ID:	STOCK-PILE	Operator:	YP/AJ
Data file:	FD049553.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.425	6.169	15380290	111.634	200	ug/ml
Aromatic C12-C16	6.170	8.797	10470914	66.989	300	ug/ml
Aromatic C16-C21	8.798	13.086	38723804	240.098	500	ug/ml
Aromatic C21-C36	13.087	18.506	128972341	921.081	800	ug/ml
Aromatic EPH	4.425	18.506	193547349	1340		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	5959342	36.34		ug/ml
2-Bromonaphthalene (SURR)	7.735	7.735	4848617	37.06		ug/ml
2-Fluorobiphenyl (SURR)	8.600	8.600	3306246	35.68		ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILEDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FC069481.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	44.1		1.70	12.1	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.57	J	1.34	8.10	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	32.2		1.58	12.1	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	159		6.44	16.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.1		14.3	24.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.24		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05DL	Acq On:	17 Jul 2025 10:23
Client Sample ID:	STOCK-PILEDL	Operator:	YP/AJ
Data file:	FC069481.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	7571643	54.472	300	ug/ml
Aliphatic C12-C16	6.600	10.002	1169446	8.117	200	ug/ml
Aliphatic C16-C21	10.003	13.370	5399316	39.702	300	ug/ml
Aliphatic C21-C28	13.371	17.036	23446783	197.05	400	ug/ml
Aliphatic C28-C40	17.037	22.013	9002445	100.157	600	ug/ml
Aliphatic EPH	3.303	22.013	46589633	399.498		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	479585	4.24		ug/ml
Aliphatic C9-C28	3.303	17.036	37587188	299.341	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILEDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
FD049571.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		0.73	4.05	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.45		1.40	6.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.1		2.43	10.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	83.1		7.23	16.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	8.54		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	8.06		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	8.21		40 - 140	82%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-05DL	Acq On:	17 Jul 2025 10:23
Client Sample ID:	STOCK-PILEDL	Operator:	YP/AJ
Data file:	FD049571.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	3452513	25.059	200	ug/ml
Aromatic C12-C16	6.173	8.799	2490187	15.931	300	ug/ml
Aromatic C16-C21	8.800	13.090	8782066	54.451	500	ug/ml
Aromatic C21-C36	13.091	18.508	27932226	199.483	800	ug/ml
Aromatic EPH	4.430	18.508	42656992	294.925		ug/ml
2-Bromonaphthalene (SURRE)	7.734	7.734	1117865	8.54		ug/ml
2-Fluorobiphenyl (SURRE)	8.599	8.599	747222	8.06		ug/ml
ortho-Terphenyl (SURRE)	11.642	11.642	1346637	8.21		ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
07/16/25 09:25	07/17/25 11:07	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	151		10	1.64	11.7	mg/kg FC069482.D
Aliphatic C12-C16	Aliphatic C12-C16	11.3		1	0.13	0.78	mg/kg FC069467.D
Aliphatic C16-C21	Aliphatic C16-C21	50.2		10	1.52	11.7	mg/kg FC069482.D
Aliphatic C21-C28	Aliphatic C21-C28	166		10	6.21	15.6	mg/kg FC069482.D
Aliphatic C28-C40	Aliphatic C28-C40	97.7		10	13.8	23.4	mg/kg FC069482.D
Aromatic C10-C12	Aromatic C10-C12	46.5		5	0.70	3.91	mg/kg FD049572.D
Aromatic C12-C16	Aromatic C12-C16	10.2		1	0.27	1.17	mg/kg FD049557.D
Aromatic C16-C21	Aromatic C16-C21	23.6		1	0.47	1.95	mg/kg FD049557.D
Aromatic C21-C36	Aromatic C21-C36	70.5		5	6.97	15.6	mg/kg FD049572.D
Total AliphaticEPH	Total AliphaticEPH	476			23.3	63.2	mg/kg
Total AromaticEPH	Total AromaticEPH	151			8.41	22.6	mg/kg
Total EPH	Total EPH	627			31.7	85.8	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:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
FC069467.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	139	E	0.16	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	11.3		0.13	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	56.1	E	0.15	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	176	E	0.62	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.7	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-09	Acq On:	16 Jul 2025 21:23
Client Sample ID:	END-OF-TRENCH	Operator:	YP/AJ
Data file:	FC069467.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	247495827	1780	300	ug/ml
Aliphatic C12-C16	6.598	10.000	20823558	144.534	200	ug/ml
Aliphatic C16-C21	10.001	13.371	97650484	718.034	300	ug/ml
Aliphatic C21-C28	13.372	17.037	268233887	2250	400	ug/ml
Aliphatic C28-C40	17.038	22.012	113572215	1260	600	ug/ml
Aliphatic EPH	3.297	22.012	747775971	6160		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	4591609	40.63		ug/ml
Aliphatic C9-C28	3.297	17.037	634203756	4900	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
FD049557.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	39.8	E	0.14	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.2		0.27	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.6		0.47	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	66.8	E	1.39	3.13	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.9		40 - 140	84%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.6		40 - 140	73%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-09	Acq On:	16 Jul 2025 21:23
Client Sample ID:	END-OF-TRENCH	Operator:	YP/AJ
Data file:	FD049557.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.425	6.169	70165615	509.281	200	ug/ml
Aromatic C12-C16	6.170	8.797	20497450	131.135	300	ug/ml
Aromatic C16-C21	8.798	13.086	48733879	302.163	500	ug/ml
Aromatic C21-C36	13.087	18.506	119612273	854.234	800	ug/ml
Aromatic EPH	4.425	18.506	259009217	1800		ug/ml
2-Fluorobiphenyl (SURR)	8.602	8.602	3611885	38.98		ug/ml
2-Bromonaphthalene (SURR)	7.737	7.737	5483601	41.91		ug/ml
ortho-Terphenyl (SURR)	11.647	11.647	6004694	36.62		ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
FC069482.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	151		1.64	11.7	mg/kg
	Aliphatic C12-C16	12.4		1.29	7.81	mg/kg
	Aliphatic C16-C21	50.2		1.52	11.7	mg/kg
	Aliphatic C21-C28	166		6.21	15.6	mg/kg
	Aliphatic C28-C40	97.7		13.8	23.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.15		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-09DL	Acq On:	17 Jul 2025 11:07
Client Sample ID:	END-OF-TRENCHDL	Operator:	YP/AJ
Data file:	FC069482.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	26901089	193.534	300	ug/ml
Aliphatic C12-C16	6.600	10.002	2284696	15.858	200	ug/ml
Aliphatic C16-C21	10.003	13.370	8740608	64.271	300	ug/ml
Aliphatic C21-C28	13.371	17.036	25323066	212.818	400	ug/ml
Aliphatic C28-C40	17.037	22.013	11241227	125.065	600	ug/ml
Aliphatic EPH	3.303	22.013	74490686	611.546		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	469189	4.15		ug/ml
Aliphatic C9-C28	3.303	17.036	63249459	486.481	1200	ug/ml

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-09DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
FD049572.D	5	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	46.5		0.70	3.91	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.4		1.35	5.86	mg/kg
Aromatic C16-C21	Aromatic C16-C21	24.5		2.34	9.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	70.5		6.97	15.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.64		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	8.98		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	8.46		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2600-09DL	Acq On:	17 Jul 2025 11:07
Client Sample ID:	END-OF-TRENCHDL	Operator:	YP/AJ
Data file:	FD049572.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.430	6.172	16402340	119.053	200	ug/ml
Aromatic C12-C16	6.173	8.799	4974960	31.828	300	ug/ml
Aromatic C16-C21	8.800	13.090	11695319	72.514	500	ug/ml
Aromatic C21-C36	13.091	18.508	23658524	168.962	800	ug/ml
Aromatic EPH	4.430	18.508	56731143	392.356		ug/ml
2-Bromonaphthalene (SURRE)	7.734	7.734	1261096	9.64		ug/ml
2-Fluorobiphenyl (SURRE)	8.599	8.599	831658	8.98		ug/ml
ortho-Terphenyl (SURRE)	11.642	11.642	1387306	8.46		ug/ml

LAB CHRONICLE

OrderID:	Q2600	OrderDate:	7/14/2025 2:21:01 PM
Client:	T&A Construction Inc	Project:	Kingsland Point Park Water Main
Contact:	Garrett Johnson	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2600-01	TRENCH	SOIL			07/14/25			07/14/25
			Gasoline Range Organics	8015D			07/16/25	
			PCB	8082A		07/15/25	07/15/25	
			Pesticide-TCL	8081B		07/15/25	07/15/25	
			EPH	NJEPH		07/16/25	07/16/25	
Q2600-01DL	TRENCHDL	Solid			07/14/25			07/14/25
			EPH	NJEPH		07/16/25	07/17/25	
Q2600-01RE	TRENCHRE	SOIL			07/14/25			07/14/25
			Pesticide-TCL	8081B		07/15/25	07/16/25	
Q2600-02	TRENCH	TCLP			07/14/25			07/14/25
			TCLP Herbicide	8151A		07/16/25	07/17/25	
			TCLP Pesticide	8081B		07/16/25	07/17/25	
Q2600-05	STOCK-PILE	SOIL			07/14/25			07/14/25
			Gasoline Range Organics	8015D			07/15/25	
			Gasoline Range Organics	8015D			07/16/25	
			PCB	8082A		07/15/25	07/15/25	
			Pesticide-TCL	8081B		07/15/25	07/15/25	
			EPH	NJEPH		07/16/25	07/16/25	
Q2600-05DL	STOCK-PIEDL	Solid			07/14/25			07/14/25
			EPH	NJEPH		07/16/25	07/17/25	
Q2600-05RE	STOCK-PILERE	SOIL			07/14/25			07/14/25
			Pesticide-TCL	8081B		07/15/25	07/16/25	
Q2600-06	STOCK-PILE	TCLP			07/14/25			07/14/25

LAB CHRONICLE

			TCLP Herbicide	8151A	07/16/25	07/17/25	
			TCLP Pesticide	8081B	07/16/25	07/17/25	
Q2600-09	END-OF-TRENCH	SOIL			07/14/25		07/14/25
			Gasoline Range Organics	8015D		07/16/25	
			PCB	8082A	07/15/25	07/15/25	
			Pesticide-TCL	8081B	07/15/25	07/15/25	
			EPH	NJEPH	07/16/25	07/16/25	
Q2600-09DL	END-OF-TRENCHDL	Solid			07/14/25		07/14/25
			EPH	NJEPH	07/16/25	07/17/25	
Q2600-09RE	END-OF-TRENCHRE	SOIL			07/14/25		07/14/25
			Pesticide-TCL	8081B	07/15/25	07/16/25	
Q2600-10	END-OF-TRENCH	TCLP			07/14/25		07/14/25
			TCLP Herbicide	8151A	07/16/25	07/17/25	
			TCLP Pesticide	8081B	07/16/25	07/17/25	