

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:	SOIL
Analytical Method:	8270E	% Solid:	75.5
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
BP025163.D	1	07/15/25 09:05	07/16/25 18:17	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	440	ug/Kg
108-95-2	Phenol	29.2	U	29.2	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	32.1	U	32.1	220	ug/Kg
95-57-8	2-Chlorophenol	32.2	U	32.2	220	ug/Kg
95-48-7	2-Methylphenol	39.5	U	39.5	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49.5	U	49.5	220	ug/Kg
98-86-2	Acetophenone	39.0	U	39.0	220	ug/Kg
65794-96-9	3+4-Methylphenols	54.3	U	54.3	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.6	U	62.6	110	ug/Kg
67-72-1	Hexachloroethane	23.2	U	23.2	220	ug/Kg
98-95-3	Nitrobenzene	24.2	U	24.2	220	ug/Kg
78-59-1	Isophorone	43.3	U	43.3	220	ug/Kg
88-75-5	2-Nitrophenol	76.9	U	76.9	220	ug/Kg
105-67-9	2,4-Dimethylphenol	85.6	U	85.6	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	40.7	U	40.7	220	ug/Kg
120-83-2	2,4-Dichlorophenol	37.4	U	37.4	220	ug/Kg
91-20-3	Naphthalene	30.0	U	30.0	220	ug/Kg
106-47-8	4-Chloroaniline	46.8	U	46.8	220	ug/Kg
87-68-3	Hexachlorobutadiene	33.4	U	33.4	220	ug/Kg
105-60-2	Caprolactam	68.8	U	68.8	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37.9	U	37.9	220	ug/Kg
91-57-6	2-Methylnaphthalene	33.8	U	33.8	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	26.2	U	26.2	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38.4	U	38.4	220	ug/Kg
92-52-4	1,1-Biphenyl	28.8	U	28.8	220	ug/Kg
91-58-7	2-Chloronaphthalene	29.7	U	29.7	220	ug/Kg
88-74-4	2-Nitroaniline	63.5	U	63.5	220	ug/Kg
131-11-3	Dimethylphthalate	35.8	U	35.8	220	ug/Kg

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208-96-8	Acenaphthylene	38.2	U	38.2	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	44.4	U	44.4	220	ug/Kg
99-09-2	3-Nitroaniline	60.8	U	60.8	220	ug/Kg
83-32-9	Acenaphthene	28.1	U	28.1	220	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	440	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	440	ug/Kg
132-64-9	Dibenzofuran	30.0	U	30.0	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.2	U	66.2	220	ug/Kg
84-66-2	Diethylphthalate	37.4	U	37.4	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	35.3	U	35.3	220	ug/Kg
86-73-7	Fluorene	33.4	U	33.4	220	ug/Kg
100-01-6	4-Nitroaniline	84.8	UQ	84.8	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	43.5	U	43.5	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36.7	U	36.7	220	ug/Kg
118-74-1	Hexachlorobenzene	33.4	U	33.4	220	ug/Kg
1912-24-9	Atrazine	44.9	U	44.9	220	ug/Kg
87-86-5	Pentachlorophenol	67.8	U	67.8	440	ug/Kg
85-01-8	Phenanthrene	450		27.6	220	ug/Kg
120-12-7	Anthracene	140	J	44.0	220	ug/Kg
86-74-8	Carbazole	41.2	U	41.2	220	ug/Kg
84-74-2	Di-n-butylphthalate	63.3	U	63.3	220	ug/Kg
206-44-0	Fluoranthene	400		39.6	220	ug/Kg
129-00-0	Pyrene	370		47.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	340		94.3	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	48.5	U	48.5	440	ug/Kg
56-55-3	Benzo(a)anthracene	210	J	30.4	220	ug/Kg
218-01-9	Chrysene	180	J	26.3	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	78.2	220	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	230		25.1	220	ug/Kg

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50-32-8	Benzo(a)pyrene	180	J	39.0	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.5	J	38.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	36.2	U	36.2	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	33.9	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	33.8	U	33.8	220	ug/Kg
123-91-1	1,4-Dioxane	59.7	U	59.7	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36.2	U	36.2	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.1		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	71.8		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.2		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.1		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		10 - 105	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	671000	7.437
1146-65-2	Naphthalene-d8	2630000	10.19
15067-26-2	Acenaphthene-d10	1650000	14.095
1517-22-2	Phenanthrene-d10	3020000	16.931
1719-03-5	Chrysene-d12	2700000	21.366
1520-96-3	Perylene-d12	3370000	24.513

TENTATIVE IDENTIFIED COMPOUNDS

001678-92-8	Cyclohexane, propyl-	490	J	6.13	ug/Kg
004291-80-9	Cyclohexane, 1-methyl-3-propyl-	490	J	6.96	ug/Kg
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	550	J	7.03	ug/Kg
003637-63-6	Cyclooctanemethanol	370	J	7.15	ug/Kg
	unknown7.531	360	J	7.53	ug/Kg
007098-22-8	Tetratetracontane	580	J	7.66	ug/Kg
001678-93-9	Cyclohexane, butyl-	1100	J	7.74	ug/Kg

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000105-05-5	Benzene, 1,4-diethyl-	430	J		7.94	ug/Kg
	unknown8.002	660	J		8.00	ug/Kg
017301-26-7	Undecane, 2,9-dimethyl-	410	J		8.13	ug/Kg
000091-17-8	Naphthalene, decahydro-	720	J		8.26	ug/Kg
002213-23-2	Heptane, 2,4-dimethyl-	510	J		8.32	ug/Kg
	unknown8.637	440	J		8.64	ug/Kg
000281-23-2	Adamantane	950	J		8.78	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	500	J		9.14	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	660	J		9.39	ug/Kg
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	580	J		9.61	ug/Kg
052896-90-9	Heptane, 3-ethyl-5-methyl-	490	J		11.3	ug/Kg
90-12-0	1-Methylnaphthalene	260	J		12.1	ug/Kg
055045-11-9	Tridecane, 5-propyl-	430	J		15.9	ug/Kg
074036-95-6	2-Bromotetradecane	680	J		16.8	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