



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

Hit Summary Sheet
SW-846

SDG No.: Q3725
Client: Roman E&G Corp

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

Client ID: 0

Total Voc :
Total Concentration:

A
B
C
D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.4
Sample Wt/Vol:	5.84 g	Test:	VOCGMS NJ CleanGroup 1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20	U	1	1.20	5.10	ug/Kg	11/26/25 14:31	VY112625
74-87-3	Chloromethane	1.20	U	1	1.20	5.10	ug/Kg	11/26/25 14:31	VY112625
75-01-4	Vinyl Chloride	0.81	U	1	0.81	5.10	ug/Kg	11/26/25 14:31	VY112625
74-83-9	Bromomethane	1.10	U	1	1.10	5.10	ug/Kg	11/26/25 14:31	VY112625
75-00-3	Chloroethane	1.30	U	1	1.30	5.10	ug/Kg	11/26/25 14:31	VY112625
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.10	ug/Kg	11/26/25 14:31	VY112625
75-65-0	Tert butyl alcohol	14.1	U	1	14.1	25.7	ug/Kg	11/26/25 14:31	VY112625
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.10	ug/Kg	11/26/25 14:31	VY112625
107-02-8	Acrolein	9.00	U	1	9.00	25.7	ug/Kg	11/26/25 14:31	VY112625
107-13-1	Acrylonitrile	5.10	U	1	5.10	25.7	ug/Kg	11/26/25 14:31	VY112625
67-64-1	Acetone	4.90	U	1	4.90	25.7	ug/Kg	11/26/25 14:31	VY112625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.10	ug/Kg	11/26/25 14:31	VY112625
1634-04-4	Methyl tert-butyl Ether	0.75	U	1	0.75	5.10	ug/Kg	11/26/25 14:31	VY112625
79-20-9	Methyl Acetate	1.60	U	1	1.60	5.10	ug/Kg	11/26/25 14:31	VY112625
75-09-2	Methylene Chloride	3.60	U	1	3.60	10.3	ug/Kg	11/26/25 14:31	VY112625
156-60-5	trans-1,2-Dichloroethene	0.88	U	1	0.88	5.10	ug/Kg	11/26/25 14:31	VY112625
75-34-3	1,1-Dichloroethane	0.82	U	1	0.82	5.10	ug/Kg	11/26/25 14:31	VY112625
78-93-3	2-Butanone	6.70	U	1	6.70	25.7	ug/Kg	11/26/25 14:31	VY112625
56-23-5	Carbon Tetrachloride	1.00	U	1	1.00	5.10	ug/Kg	11/26/25 14:31	VY112625
156-59-2	cis-1,2-Dichloroethene	0.77	U	1	0.77	5.10	ug/Kg	11/26/25 14:31	VY112625
67-66-3	Chloroform	0.86	U	1	0.86	5.10	ug/Kg	11/26/25 14:31	VY112625
71-55-6	1,1,1-Trichloroethane	0.95	U	1	0.95	5.10	ug/Kg	11/26/25 14:31	VY112625
71-43-2	Benzene	0.81	U	1	0.81	5.10	ug/Kg	11/26/25 14:31	VY112625
107-06-2	1,2-Dichloroethane	0.81	U	1	0.81	5.10	ug/Kg	11/26/25 14:31	VY112625
79-01-6	Trichloroethene	0.83	U	1	0.83	5.10	ug/Kg	11/26/25 14:31	VY112625
78-87-5	1,2-Dichloropropane	0.93	U	1	0.93	5.10	ug/Kg	11/26/25 14:31	VY112625
75-27-4	Bromodichloromethane	0.80	U	1	0.80	5.10	ug/Kg	11/26/25 14:31	VY112625
108-88-3	Toluene	0.80	U	1	0.80	5.10	ug/Kg	11/26/25 14:31	VY112625
10061-02-6	t-1,3-Dichloropropene	0.67	U	1	0.67	5.10	ug/Kg	11/26/25 14:31	VY112625
10061-01-5	cis-1,3-Dichloropropene	0.64	U	1	0.64	5.10	ug/Kg	11/26/25 14:31	VY112625
79-00-5	1,1,2-Trichloroethane	0.94	U	1	0.94	5.10	ug/Kg	11/26/25 14:31	VY112625
124-48-1	Dibromochloromethane	0.89	U	1	0.89	5.10	ug/Kg	11/26/25 14:31	VY112625
106-93-4	1,2-Dibromoethane	0.90	U	1	0.90	5.10	ug/Kg	11/26/25 14:31	VY112625
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.10	ug/Kg	11/26/25 14:31	VY112625
108-90-7	Chlorobenzene	0.93	U	1	0.93	5.10	ug/Kg	11/26/25 14:31	VY112625
100-41-4	Ethyl Benzene	0.69	U	1	0.69	5.10	ug/Kg	11/26/25 14:31	VY112625
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.3	ug/Kg	11/26/25 14:31	VY112625
1330-20-7	Total Xylenes	2.14	U	1	2.14	15.4	ug/Kg	11/26/25 14:31	VY112625
95-47-6	o-Xylene	0.84	U	1	0.84	5.10	ug/Kg	11/26/25 14:31	VY112625
100-42-5	Styrene	0.73	U	1	0.73	5.10	ug/Kg	11/26/25 14:31	VY112625
75-25-2	Bromoform	0.88	U	1	0.88	5.10	ug/Kg	11/26/25 14:31	VY112625
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.10	ug/Kg	11/26/25 14:31	VY112625
95-63-6	1,2,4-Trimethylbenzene	0.66	U	1	0.66	5.10	ug/Kg	11/26/25 14:31	VY112625

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.4
Sample Wt/Vol:	5.84 g	Test:	VOCGCMS NJ CleanGroup 1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
541-73-1	1,3-Dichlorobenzene	1.80	U	1	1.80	5.10	ug/Kg	11/26/25 14:31	VY112625
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.10	ug/Kg	11/26/25 14:31	VY112625
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.10	ug/Kg	11/26/25 14:31	VY112625
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1	1.90	5.10	ug/Kg	11/26/25 14:31	VY112625
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.10	ug/Kg	11/26/25 14:31	VY112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.8			70 (63) - 130 (155)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.5			70 (70) - 130 (134)	107%	SPK: 50		
2037-26-5	Toluene-d8	48.4			70 (74) - 130 (123)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	33.5	*		70 (52) - 130 (138)	67%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	711000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	921000							
3855-82-1	1,4-Dichlorobenzene-d4	270000							

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL	VOCGCMS NJ CleanGroup New	8260D	11/25/25		11/26/25	11/25/25



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

Hit Summary Sheet SW-846

SDG No.: Q3725
Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : STOCKPILE-SAMPLES								
Q3725-04	STOCKPILE-SAMPLES	SOIL	Fluoranthene	190.000	J	35.9	200	ug/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Pyrene	120.000	J	43.1	200	ug/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Benzo(a)anthracene	91.900	J	27.5	200	ug/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Chrysene	97.300	J	23.8	200	ug/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Benzo(b)fluoranthene	170.000	J	22.7	200	ug/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Benzo(a)pyrene	110.000	J	35.3	200	ug/Kg
Total Svoc :				779.20				
Total Concentration:				779.20				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.4
Sample Wt/Vol:	30.08 g	Test:	SVOCMS NJ CleanGroup Ne
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/01/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
62-75-9	n-Nitrosodimethylamine	40.1	U	1	40.1	390	ug/Kg	12/01/25 16:14	PB170763
100-52-7	Benzaldehyde	190	U	1	190	390	ug/Kg	12/01/25 16:14	PB170763
108-95-2	Phenol	26.4	U	1	26.4	200	ug/Kg	12/01/25 16:14	PB170763
111-44-4	bis(2-Chloroethyl)ether	29.1	U	1	29.1	200	ug/Kg	12/01/25 16:14	PB170763
95-57-8	2-Chlorophenol	29.2	U	1	29.2	200	ug/Kg	12/01/25 16:14	PB170763
95-48-7	2-Methylphenol	35.8	U	1	35.8	200	ug/Kg	12/01/25 16:14	PB170763
108-60-1	2,2-oxybis(1-Chloropropane)	44.8	U	1	44.8	200	ug/Kg	12/01/25 16:14	PB170763
98-86-2	Acetophenone	35.3	U	1	35.3	200	ug/Kg	12/01/25 16:14	PB170763
65794-96-9	3+4-Methylphenols	49.1	U	1	49.1	390	ug/Kg	12/01/25 16:14	PB170763
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	1	56.7	95.7	ug/Kg	12/01/25 16:14	PB170763
67-72-1	Hexachloroethane	21.0	U	1	21.0	200	ug/Kg	12/01/25 16:14	PB170763
98-95-3	Nitrobenzene	21.9	U	1	21.9	200	ug/Kg	12/01/25 16:14	PB170763
78-59-1	Isophorone	39.2	U	1	39.2	200	ug/Kg	12/01/25 16:14	PB170763
105-67-9	2,4-Dimethylphenol	77.5	U	1	77.5	200	ug/Kg	12/01/25 16:14	PB170763
120-83-2	2,4-Dichlorophenol	33.8	U	1	33.8	200	ug/Kg	12/01/25 16:14	PB170763
91-20-3	Naphthalene	27.1	U	1	27.1	200	ug/Kg	12/01/25 16:14	PB170763
87-68-3	Hexachlorobutadiene	30.3	U	1	30.3	200	ug/Kg	12/01/25 16:14	PB170763
105-60-2	Caprolactam	62.3	U	1	62.3	390	ug/Kg	12/01/25 16:14	PB170763
91-57-6	2-Methylnaphthalene	30.6	U	1	30.6	200	ug/Kg	12/01/25 16:14	PB170763
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	390	ug/Kg	12/01/25 16:14	PB170763
88-06-2	2,4,6-Trichlorophenol	23.7	U	1	23.7	200	ug/Kg	12/01/25 16:14	PB170763
95-95-4	2,4,5-Trichlorophenol	34.8	U	1	34.8	200	ug/Kg	12/01/25 16:14	PB170763
92-52-4	1,1-Biphenyl	26.1	U	1	26.1	200	ug/Kg	12/01/25 16:14	PB170763
88-74-4	2-Nitroaniline	57.5	U	1	57.5	200	ug/Kg	12/01/25 16:14	PB170763
208-96-8	Acenaphthylene	34.6	U	1	34.6	200	ug/Kg	12/01/25 16:14	PB170763
606-20-2	2,6-Dinitrotoluene	40.2	U	1	40.2	200	ug/Kg	12/01/25 16:14	PB170763
83-32-9	Acenaphthene	25.5	U	1	25.5	200	ug/Kg	12/01/25 16:14	PB170763
51-28-5	2,4-Dinitrophenol	270	U	1	270	390	ug/Kg	12/01/25 16:14	PB170763
121-14-2	2,4-Dinitrotoluene	59.9	U	1	59.9	200	ug/Kg	12/01/25 16:14	PB170763
84-66-2	Diethylphthalate	33.8	U	1	33.8	200	ug/Kg	12/01/25 16:14	PB170763
86-73-7	Fluorene	30.3	U	1	30.3	200	ug/Kg	12/01/25 16:14	PB170763
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	390	ug/Kg	12/01/25 16:14	PB170763
86-30-6	n-Nitrosodiphenylamine	39.3	U	1	39.3	200	ug/Kg	12/01/25 16:14	PB170763
103-33-3	Azobenzene	34.9	U	1	34.9	200	ug/Kg	12/01/25 16:14	PB170763
118-74-1	Hexachlorobenzene	30.3	U	1	30.3	200	ug/Kg	12/01/25 16:14	PB170763
1912-24-9	Atrazine	40.7	U	1	40.7	200	ug/Kg	12/01/25 16:14	PB170763
87-86-5	Pentachlorophenol	61.3	U	1	61.3	390	ug/Kg	12/01/25 16:14	PB170763
85-01-8	Phenanthrene	25.0	U	1	25.0	200	ug/Kg	12/01/25 16:14	PB170763
120-12-7	Anthracene	39.8	U	1	39.8	200	ug/Kg	12/01/25 16:14	PB170763
86-74-8	Carbazole	37.3	U	1	37.3	200	ug/Kg	12/01/25 16:14	PB170763
84-74-2	Di-n-butylphthalate	57.3	U	1	57.3	200	ug/Kg	12/01/25 16:14	PB170763
206-44-0	Fluoranthene	190	J	1	35.9	200	ug/Kg	12/01/25 16:14	PB170763

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.4
Sample Wt/Vol:	30.08 g	Test:	SVOCMS NJ CleanGroup Ne
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/01/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
92-87-5	Benzidine	180	UQ	1	180	390	ug/Kg	12/01/25 16:14	PB170763
129-00-0	Pyrene	120	J	1	43.1	200	ug/Kg	12/01/25 16:14	PB170763
85-68-7	Butylbenzylphthalate	85.4	U	1	85.4	200	ug/Kg	12/01/25 16:14	PB170763
91-94-1	3,3-Dichlorobenzidine	43.9	U	1	43.9	390	ug/Kg	12/01/25 16:14	PB170763
56-55-3	Benzo(a)anthracene	91.9	J	1	27.5	200	ug/Kg	12/01/25 16:14	PB170763
218-01-9	Chrysene	97.3	J	1	23.8	200	ug/Kg	12/01/25 16:14	PB170763
117-81-7	Bis(2-ethylhexyl)phthalate	70.8	U	1	70.8	200	ug/Kg	12/01/25 16:14	PB170763
117-84-0	Di-n-octyl phthalate	100	U	1	100	390	ug/Kg	12/01/25 16:14	PB170763
205-99-2	Benzo(b)fluoranthene	170	J	1	22.7	200	ug/Kg	12/01/25 16:14	PB170763
207-08-9	Benzo(k)fluoranthene	26.8	U	1	26.8	200	ug/Kg	12/01/25 16:14	PB170763
50-32-8	Benzo(a)pyrene	110	J	1	35.3	200	ug/Kg	12/01/25 16:14	PB170763
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	1	34.8	200	ug/Kg	12/01/25 16:14	PB170763
53-70-3	Dibenzo(a,h)anthracene	32.8	U	1	32.8	200	ug/Kg	12/01/25 16:14	PB170763
191-24-2	Benzo(g,h,i)perylene	30.7	U	1	30.7	200	ug/Kg	12/01/25 16:14	PB170763

SURROGATES

367-12-4	2-Fluorophenol	83.3			30 (10) - 130 (105)	56%	SPK: 150
13127-88-3	Phenol-d6	83.8			30 (10) - 130 (103)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.1			30 (10) - 130 (108)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.1			30 (10) - 130 (108)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.5			30 (10) - 130 (116)	47%	SPK: 150
1718-51-0	Terphenyl-d14	44.2			30 (10) - 130 (109)	44%	SPK: 100

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
3855-82-1	1,4-Dichlorobenzene-d4	55100
1146-65-2	Naphthalene-d8	210000
15067-26-2	Acenaphthene-d10	102000
1517-22-2	Phenanthrene-d10	157000
1719-03-5	Chrysene-d12	147000
1520-96-3	Perylene-d12	162000

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL	SVOCMS NJ CleanGroup New	8270E	11/25/25	12/01/25	12/01/25	11/25/25

Hit Summary Sheet
SW-846

SDG No.: Q3725

Order ID: Q3725

Client: Roman E&G Corp

Project ID: AQUA Woolwich Pump Station 22-531

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : STOCKPILE-SAMPLES								
Q3725-04	STOCKPILE-SAMPL SOIL		Heptachlor	0.27	J	0.14	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		Dieldrin	0.63	JP	0.17	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		4,4-DDE	2.00		0.17	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		4,4-DDD	1.20	JP	0.18	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		4,4-DDT	2.40	P	0.17	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		alpha-Chlordane	3.30		0.14	2.00	ug/kg
Q3725-04	STOCKPILE-SAMPL SOIL		gamma-Chlordane	2.80		0.18	2.00	ug/kg
Total Concentration:				12.600				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Roman E&G Corp		Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531		Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES		SDG No.:	Q3725
Lab Sample ID:	Q3725-04		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	83.4
Sample Wt/Vol:	30.06 g	Final Vol: 10000 uL	Test:	PESTICIDE NJCLEAN Group New
Prep Method:	SW3541B		Prep Date:	12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.16	U	1	0.16	2.00	ug/kg	12/01/25 12:59	PB170762
319-85-7	beta-BHC	0.22	U	1	0.22	2.00	ug/kg	12/01/25 12:59	PB170762
58-89-9	gamma-BHC (Lindane)	0.17	U	1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
76-44-8	Heptachlor	0.27	J	1	0.14	2.00	ug/kg	12/01/25 12:59	PB170762
309-00-2	Aldrin	0.14	U	1	0.14	2.00	ug/kg	12/01/25 12:59	PB170762
1024-57-3	Heptachlor epoxide	0.23	U	1	0.23	2.00	ug/kg	12/01/25 12:59	PB170762
959-98-8	Endosulfan I	0.17	U	1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
60-57-1	Dieldrin	0.63	JP	1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
72-55-9	4,4-DDE	2.00		1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
72-20-8	Endrin	0.17	U	1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
33213-65-9	Endosulfan II	0.35	U	1	0.35	2.00	ug/kg	12/01/25 12:59	PB170762
72-54-8	4,4-DDD	1.20	JP	1	0.18	2.00	ug/kg	12/01/25 12:59	PB170762
1031-07-8	Endosulfan Sulfate	0.16	U	1	0.16	2.00	ug/kg	12/01/25 12:59	PB170762
50-29-3	4,4-DDT	2.40	P	1	0.17	2.00	ug/kg	12/01/25 12:59	PB170762
72-43-5	Methoxychlor	0.44	U	1	0.44	2.00	ug/kg	12/01/25 12:59	PB170762
5103-71-9	alpha-Chlordane	3.30		1	0.14	2.00	ug/kg	12/01/25 12:59	PB170762
5103-74-2	gamma-Chlordane	2.80		1	0.18	2.00	ug/kg	12/01/25 12:59	PB170762
8001-35-2	Toxaphene	6.50	U	1	6.50	39.5	ug/kg	12/01/25 12:59	PB170762
SURROGATES									
2051-24-3	Decachlorobiphenyl	11.5			30 (10) - 150 (143)	58%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.6			30 (10) - 150 (131)	103%	SPK: 20		

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL	PESTICIDE NJCLEAN Group New	8081B	11/25/25	12/01/25	12/01/25	11/25/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3725

Order ID: Q3725

Client: Roman E&G Corp

Project ID: AQUA Woolwich Pump Station 22-531

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

Client ID :

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.4
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL
Prep Method:	SW3541B	Test:	PCB
	Prep Date:		12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
12674-11-2	Aroclor-1016	4.70	U	1	4.70	20.3	ug/kg	12/01/25 12:56	PB170761
11104-28-2	Aroclor-1221	4.80	U	1	4.80	20.3	ug/kg	12/01/25 12:56	PB170761
11141-16-5	Aroclor-1232	4.50	U	1	4.50	20.3	ug/kg	12/01/25 12:56	PB170761
53469-21-9	Aroclor-1242	4.80	U	1	4.80	20.3	ug/kg	12/01/25 12:56	PB170761
12672-29-6	Aroclor-1248	7.10	U	1	7.10	20.3	ug/kg	12/01/25 12:56	PB170761
11097-69-1	Aroclor-1254	3.80	U	1	3.80	20.3	ug/kg	12/01/25 12:56	PB170761
37324-23-5	Aroclor-1262	6.00	U	1	6.00	20.3	ug/kg	12/01/25 12:56	PB170761
11100-14-4	Aroclor-1268	4.30	U	1	4.30	20.3	ug/kg	12/01/25 12:56	PB170761
11096-82-5	Aroclor-1260	3.90	U	1	3.90	20.3	ug/kg	12/01/25 12:56	PB170761
SURROGATES									
877-09-8	Tetrachloro-m-xylene	22.9			30 (21) - 150 (165)	114%	SPK: 20		
2051-24-3	Decachlorobiphenyl	15.5			30 (10) - 150 (170)	78%	SPK: 20		

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL			11/25/25			11/25/25
			PCB	8082A		12/01/25	12/01/25	
			PESTICIDE NJCLEAN Group New	8081B		12/01/25	12/01/25	



A

B

C

SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/01/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	24.9		1	1.41	2.39	mg/kg	FE057105.D	12/01/25 19:09	PB170764
Aliphatic C9-C28	Aliphatic C9-C28	2.19	J	1	1.09	4.80	mg/kg	FE057105.D	12/01/25 19:09	PB170764
Total AliphaticEPH	Total AliphaticEPH	27.1			2.50	7.19	mg/kg			
Total EPH	Total EPH	27.1			2.50	7.19	mg/kg			

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Roman E&G Corp	Date Collected:	11/25/25
Project:	AQUA Woolwich Pump Station 22-531	Date Received:	11/25/25
Client Sample ID:	STOCKPILE-SAMPLES	SDG No.:	Q3725
Lab Sample ID:	Q3725-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/01/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	--------------

TARGETS

Aliphatic C9-C28	Aliphatic C9-C28	2.19	J	1	1.09	4.80	mg/kg	12/01/25	PB170764
Aliphatic C28-C40	Aliphatic C28-C40	24.9		1	1.41	2.39	mg/kg	12/01/25	PB170764

SURROGATES

3383-33-2	1-chlorooctadecane (SURR)	20.2			40 - 140	40%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.8			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3725-04	Acq On:	01 Dec 2025 19:09
Client Sample ID:	STOCKPILE-SAMPLES	Operator:	YP\AJ
Data file:	FE057105.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	3.201	6.825	564748	2.815	300	ug/ml
Aliphatic C12-C16	6.826	10.270	809083	3.982	200	ug/ml
Aliphatic C16-C21	10.271	13.644	1354782	6.831	300	ug/ml
Aliphatic C21-C28	13.645	17.313	2733814	13.755	400	ug/ml
Aliphatic C28-C40	17.314	22.242	62451163	312.412	600	ug/ml
Aliphatic EPH	3.201	22.242	67913590	339.796		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	5436730	24.78		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	3359054	20.18		ug/ml
Aliphatic C9-C28	3.201	17.313	5462427	27.383	1200	ug/ml

LAB CHRONICLE

OrderID:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL			11/25/25			11/25/25
			PCB	8082A		12/01/25	12/01/25	
			PESTICIDE NJCLEAN Group New	8081B		12/01/25	12/01/25	
			EPH_NF	NJEPH		12/01/25	12/01/25	

Hit Summary Sheet
SW-846

SDG No.:	Q3725	Order ID:	Q3725
Client:	Roman E&G Corp	Project ID:	AQUA Woolwich Pump Station 22-531

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : STOCKPILE-SAMPLES								
Q3725-04	STOCKPILE-SAMPLES	SOIL	Aluminum	7510	D	4.54	27.0	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Arsenic	5.32	JD	1.03	5.40	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Barium	48.5	D	3.94	27.0	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Beryllium	0.54	JD	0.14	1.62	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Cadmium	0.53	JD	0.13	1.62	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Chromium	21.2	D	0.25	2.70	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Cobalt	4.06	JD	0.54	8.10	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Copper	19.2	D	1.19	5.40	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Lead	25.3	D	0.70	3.24	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Manganese	331	D	0.76	5.40	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Mercury	0.051		0.0090	0.016	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Nickel	11.2	D	0.70	10.8	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Vanadium	20.6	D	1.35	10.8	mg/Kg
Q3725-04	STOCKPILE-SAMPLES	SOIL	Zinc	68.8	D	1.24	10.8	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Roman E&G Corp
Project: AQUA Woolwich Pump Station 22-531
Client Sample ID: STOCKPILE-SAMPLES
Lab Sample ID: Q3725-04
Level (low/med): low

Date Collected: 11/25/25
Date Received: 11/25/25
SDG No.: Q3725
Matrix: SOIL
% Solid: 83.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7510	D	5	4.54	27.0	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-36-0	Antimony	1.19	UDN5		1.19	13.5	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-38-2	Arsenic	5.32	JD	5	1.03	5.40	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-39-3	Barium	48.5	D	5	3.94	27.0	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-41-7	Beryllium	0.54	JD	5	0.14	1.62	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-43-9	Cadmium	0.53	JD	5	0.13	1.62	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-47-3	Chromium	21.2	D	5	0.25	2.70	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-48-4	Cobalt	4.06	JD	5	0.54	8.10	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-50-8	Copper	19.2	D	5	1.19	5.40	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7439-92-1	Lead	25.3	D	5	0.70	3.24	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7439-96-5	Manganese	331	D	5	0.76	5.40	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7439-97-6	Mercury	0.051		1	0.0090	0.016	mg/Kg	12/01/25 09:10	12/02/25 13:00	7471B	M7471B
7440-02-0	Nickel	11.2	D	5	0.70	10.8	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7782-49-2	Selenium	1.40	UD	5	1.40	5.40	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-22-4	Silver	0.65	UD	5	0.65	2.70	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-62-2	Vanadium	20.6	DN	5	1.35	10.8	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050
7440-66-6	Zinc	68.8	D	5	1.24	10.8	mg/Kg	12/01/25 11:35	12/01/25 17:17	6010D	SW3050

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL			11/25/25			11/25/25
			Mercury	7471B		12/01/25	12/02/25	
			Metals NJClean Group New	6010D		12/01/25	12/01/25	



A

B

C

SAMPLE DATA

Report of Analysis

Client: Roman E&G Corp
Project: AQUA Woolwich Pump Station 22-531
Client Sample ID: STOCKPILE-SAMPLES
Lab Sample ID: Q3725-04

Date Collected: 11/25/25 12:00
Date Received: 11/25/25
SDG No.: Q3725
Matrix: SOIL
% Solid: 83.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.084	J	1	0.050	0.30	mg/Kg	11/26/25 08:15	11/26/25 13:04	9012B

Comments: _____

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

H = Sample Analysis Out Of Hold Time

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:	Q3725	OrderDate:	11/25/2025 4:38:51 PM
Client:	Roman E&G Corp	Project:	AQUA Woolwich Pump Station 22-531
Contact:	Sonny Puzzo	Location:	D41,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3725-04	STOCKPILE-SAMPLES	SOIL			11/25/25 12:00			11/25/25
			Cyanide	9012B		11/26/25	11/26/25 13:04	