284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2928

Client: Hero Construction

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**27-BELL**							
Q2928-02	27-BELL	SOIL	Methylene Chloride	5.40	J	3.00	8.40	ug/Kg
			Total Voc :	5.40				
			Total Concentration:	5.40				

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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:	Date Analyzed	Prep Batch ID
VW032123.D	1	08/22/25 19:46	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.0	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	5.40	J	3.00	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	21.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.97	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.0	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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:	Date Analyzed	Prep Batch ID
VW032123.D	1	08/22/25 19:46	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.0	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.40	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.965			
540-36-3	1,4-Difluorobenzene	365000	8.849			
3114-55-4	Chlorobenzene-d5	345000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	168000	13.556			

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.2
Sample Wt/Vol:	7.16 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:	Date Analyzed	Prep Batch ID
VW032123.D	1	08/22/25 19:46	VW082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-02	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260D			08/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2928

Client: Hero Construction

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : 27-BELL									
Q2928-01	27-BELL	SOIL	Acenaphthylene		78.000	J	33.8	200	ug/Kg
Q2928-01	27-BELL	SOIL	Phenanthrene		290.000		24.5	200	ug/Kg
Q2928-01	27-BELL	SOIL	Anthracene		110.000	J	39	200	ug/Kg
Q2928-01	27-BELL	SOIL	Fluoranthene		840.000		35.1	200	ug/Kg
Q2928-01	27-BELL	SOIL	Pyrene		750.000		42.1	200	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo(a)anthracene		480.000		26.9	200	ug/Kg
Q2928-01	27-BELL	SOIL	Chrysene		520.000		23.3	200	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo(b)fluoranthene		670.000		22.2	200	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo(k)fluoranthene		210.000		26.2	200	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo(a)pyrene		480.000		34.5	200	ug/Kg
Q2928-01	27-BELL	SOIL	Indeno(1,2,3-cd)pyrene		280.000		34	200	ug/Kg
Q2928-01	27-BELL	SOIL	Dibenzo(a,h)anthracene		89.400	J	32.1	200	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo(g,h,i)perylene		330.000		30.1	200	ug/Kg
			Total Svoc :		**5,127.40**				
Q2928-01	27-BELL	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	4H-Cyclopenta[def]phenanthrene	*	110.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	Benzo[e]pyrene	*	510.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	Butane, 2-methoxy-2-methyl-	*	970.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	Cyclohexadecane	*	160.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	n-Hexadecanoic acid	*	600.000	J	0	0	ug/Kg
Q2928-01	27-BELL	SOIL	Octadecanoic acid	*	78.000	J	0	0	ug/Kg
			Total Tics :		**2,998.00**				
			Total Concentration:		**8,125.40**				

SAMPLE DATA

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
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
BP025594.D	1	08/25/25 08:55	08/26/25 20:44	PB169370

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	25.9	U	25.9	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.4	U	28.4	200	ug/Kg
95-57-8	2-Chlorophenol	28.5	U	28.5	200	ug/Kg
95-48-7	2-Methylphenol	35.0	U	35.0	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.9	U	43.9	200	ug/Kg
98-86-2	Acetophenone	34.5	U	34.5	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.1	U	48.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.5	U	55.5	93.6	ug/Kg
67-72-1	Hexachloroethane	20.6	U	20.6	200	ug/Kg
98-95-3	Nitrobenzene	21.4	U	21.4	200	ug/Kg
78-59-1	Isophorone	38.4	U	38.4	200	ug/Kg
88-75-5	2-Nitrophenol	68.1	U	68.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.8	U	75.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.0	U	36.0	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.1	U	33.1	200	ug/Kg
91-20-3	Naphthalene	26.6	U	26.6	200	ug/Kg
106-47-8	4-Chloroaniline	41.4	U	41.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.6	U	29.6	200	ug/Kg
105-60-2	Caprolactam	61.0	U	61.0	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.6	U	33.6	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.0	U	30.0	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.2	U	23.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.0	U	34.0	200	ug/Kg
92-52-4	1,1-Biphenyl	25.5	U	25.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.3	U	26.3	200	ug/Kg
88-74-4	2-Nitroaniline	56.3	U	56.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.7	U	31.7	200	ug/Kg

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
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
BP025594.D	1	08/25/25 08:55	08/26/25 20:44	PB169370

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	78.0	J	33.8	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.3	U	39.3	200	ug/Kg
99-09-2	3-Nitroaniline	53.8	U	53.8	200	ug/Kg
83-32-9	Acenaphthene	24.9	U	24.9	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.6	U	26.6	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.6	U	58.6	200	ug/Kg
84-66-2	Diethylphthalate	33.1	U	33.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.2	U	31.2	200	ug/Kg
86-73-7	Fluorene	29.6	U	29.6	200	ug/Kg
100-01-6	4-Nitroaniline	75.1	U	75.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.5	U	38.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.5	U	32.5	200	ug/Kg
118-74-1	Hexachlorobenzene	29.6	U	29.6	200	ug/Kg
1912-24-9	Atrazine	39.8	U	39.8	200	ug/Kg
87-86-5	Pentachlorophenol	60.0	U	60.0	390	ug/Kg
85-01-8	Phenanthrene	290		24.5	200	ug/Kg
120-12-7	Anthracene	110	J	39.0	200	ug/Kg
86-74-8	Carbazole	36.5	U	36.5	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.0	U	56.0	200	ug/Kg
206-44-0	Fluoranthene	840		35.1	200	ug/Kg
129-00-0	Pyrene	750		42.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.5	U	83.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.9	U	42.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	480		26.9	200	ug/Kg
218-01-9	Chrysene	520		23.3	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.3	U	69.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	670		22.2	200	ug/Kg

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.3
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
BP025594.D	1	08/25/25 08:55	08/26/25 20:44	PB169370

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	210		26.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	480		34.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280		34.0	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.4	J	32.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	330		30.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.0	U	30.0	200	ug/Kg
123-91-1	1,4-Dioxane	52.9	U	52.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.1	U	32.1	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	77.8		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	77.8		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.5		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	44.8		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	209000	7.778			
1146-65-2	Naphthalene-d8	844000	10.549			
15067-26-2	Acenaphthene-d10	544000	14.389			
1517-22-2	Phenanthrene-d10	1110000	17.195			
1719-03-5	Chrysene-d12	1180000	21.636			
1520-96-3	Perylene-d12	1390000	25.018			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J		3.03	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		4.94	ug/Kg
000119-61-9	Benzophenone	300	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	600	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	110	J		18.3	ug/Kg
000057-11-4	Octadecanoic acid	78.0	J		19.5	ug/Kg
000295-65-8	Cyclohexadecane	160	J		21.3	ug/Kg

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Report of Analysis

Client:	Hero Construction			Date Collected:	08/21/25
Project:	Residential Soil Testing			Date Received:	08/21/25
Client Sample ID:	27-BELL			SDG No.:	Q2928
Lab Sample ID:	Q2928-01			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	85.3
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
BP025594.D	1	08/25/25 08:55	08/26/25 20:44	PB169370

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000192-97-2	Benzo[e]pyrene	510	J		24.7	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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			SVOC-TCL BNA -20	8270E		08/25/25	08/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2928 **Order ID:** Q2928

Client: Hero Construction **Project ID:** Residential Soil Testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 27-BELL								
Q2928-01	27-BELL	SOIL	4,4-DDE	0.75	JP	0.16	2.00	ug/kg
Q2928-01	27-BELL	SOIL	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
Q2928-01	27-BELL	SOIL	alpha-Chlordane	27.7	P	0.14	2.00	ug/kg
Q2928-01	27-BELL	SOIL	gamma-Chlordane	19.6		0.18	2.00	ug/kg
			Total Concentration:	**49.250**				

SAMPLE DATA

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090023.D	1	08/22/25 10:21	08/22/25 19:58	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.75	JP	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	1.20	JP	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	27.7	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		19 - 148	88%	SPK: 20

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD090023.D	1	08/22/25 10:21	08/22/25 19:58	PB169360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/22/25	
			Pesticide-TCL	8081B		08/22/25	08/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2928 **Order ID:** Q2928

Client: Hero Construction **Project ID:** Residential Soil Testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074605.D	1	08/22/25 10:20	08/22/25 23:11	PB169359

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		32 - 175	82%	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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/22/25	

SAMPLE DATA

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 16:26	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	1.06	4.68	mg/kg	FE055538.D
Total EPH	Total EPH	14.5			1.06	4.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055538.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2928-01	Acq On:	27 Aug 2025 16:26
Client Sample ID:	27-BELL	Operator:	YP\AJ
Data file:	FE055538.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	707090	6.055	300	ug/ml
Aliphatic C12-C16	6.950	10.402	1675553	13.38	200	ug/ml
Aliphatic C16-C21	10.403	13.780	6364307	50.349	300	ug/ml
Aliphatic C21-C28	13.781	17.453	13990261	116.096	400	ug/ml
Aliphatic C28-C40	17.454	22.472	25633025	224.876	600	ug/ml
Aliphatic EPH	3.315	22.472	48370236	410.756		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3373623	23.62		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3061220	28.47		ug/ml
Aliphatic C9-C28	3.315	17.453	22737211	185.88	1200	ug/ml

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/22/25	
			Pesticide-TCL	8081B		08/22/25	08/22/25	
			EPH_F2	NJEPH		08/27/25	08/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2928 **Order ID:** Q2928

Client: Hero Construction **Project ID:** Residential Soil Testing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 27-BELL								
Q2928-01	27-BELL	SOIL	Aluminum	7830		0.85	5.05	mg/Kg
Q2928-01	27-BELL	SOIL	Arsenic	5.59		0.19	1.01	mg/Kg
Q2928-01	27-BELL	SOIL	Barium	135		0.74	5.05	mg/Kg
Q2928-01	27-BELL	SOIL	Beryllium	0.55		0.025	0.30	mg/Kg
Q2928-01	27-BELL	SOIL	Cadmium	2.31		0.024	0.30	mg/Kg
Q2928-01	27-BELL	SOIL	Calcium	2110		11.2	101	mg/Kg
Q2928-01	27-BELL	SOIL	Chromium	13.6		0.047	0.51	mg/Kg
Q2928-01	27-BELL	SOIL	Cobalt	5.36		0.10	1.52	mg/Kg
Q2928-01	27-BELL	SOIL	Copper	46.9		0.22	1.01	mg/Kg
Q2928-01	27-BELL	SOIL	Iron	13700		4.03	5.05	mg/Kg
Q2928-01	27-BELL	SOIL	Lead	470		0.13	0.61	mg/Kg
Q2928-01	27-BELL	SOIL	Magnesium	1290		12.1	101	mg/Kg
Q2928-01	27-BELL	SOIL	Manganese	375		0.14	1.01	mg/Kg
Q2928-01	27-BELL	SOIL	Mercury	1.47	D	0.039	0.071	mg/Kg
Q2928-01	27-BELL	SOIL	Nickel	14.0		0.13	2.02	mg/Kg
Q2928-01	27-BELL	SOIL	Potassium	385		28.0	101	mg/Kg
Q2928-01	27-BELL	SOIL	Selenium	0.55	J	0.26	1.01	mg/Kg
Q2928-01	27-BELL	SOIL	Silver	0.71		0.12	0.51	mg/Kg
Q2928-01	27-BELL	SOIL	Sodium	91.2	J	18.0	101	mg/Kg
Q2928-01	27-BELL	SOIL	Vanadium	18.1		0.25	2.02	mg/Kg
Q2928-01	27-BELL	SOIL	Zinc	203		0.23	2.02	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7830		1	0.85	5.05	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-38-2	Arsenic	5.59		1	0.19	1.01	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-39-3	Barium	135		1	0.74	5.05	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-41-7	Beryllium	0.55		1	0.025	0.30	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-43-9	Cadmium	2.31		1	0.024	0.30	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-70-2	Calcium	2110		1	11.2	101	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-47-3	Chromium	13.6	N	1	0.047	0.51	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-48-4	Cobalt	5.36		1	0.10	1.52	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-50-8	Copper	46.9		1	0.22	1.01	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7439-89-6	Iron	13700		1	4.03	5.05	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7439-92-1	Lead	470		1	0.13	0.61	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7439-95-4	Magnesium	1290		1	12.1	101	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7439-96-5	Manganese	375		1	0.14	1.01	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7439-97-6	Mercury	1.47	D	5	0.039	0.071	mg/Kg	08/25/25 15:50	08/26/25 11:12	7471B	
7440-02-0	Nickel	14.0		1	0.13	2.02	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-09-7	Potassium	385		1	28.0	101	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7782-49-2	Selenium	0.55	J	1	0.26	1.01	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-22-4	Silver	0.71		1	0.12	0.51	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-23-5	Sodium	91.2	J	1	18.0	101	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-28-0	Thallium	0.23	UN	1	0.23	2.02	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-62-2	Vanadium	18.1		1	0.25	2.02	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050
7440-66-6	Zinc	203		1	0.23	2.02	mg/Kg	08/22/25 10:35	08/25/25 14:12	6010D	SW3050

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

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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			Mercury	7471B		08/25/25	08/26/25	
			Metals ICP-TAL	6010D		08/22/25	08/25/25	

SAMPLE DATA

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

Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25 13:06
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	SOIL
		% Solid:	85.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.048	U	1	0.048	0.28	mg/Kg	08/25/25 08:05	08/25/25 15:34	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

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25 13:06**			**08/21/25**
			Cyanide	9012B		08/25/25	08/25/25 15:34	