



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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A
B
C
D

Hit Summary Sheet SW-846

SDG No.: Q1984
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-27-050725									
Q1984-13	OU4-TS-27-050725	SOIL	Phenanthrene	0.150	J	0.033	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Fluoranthene	0.290		0.048	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Pyrene	0.220	J	0.058	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Benzo(a)anthracene	0.120	J	0.037	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Chrysene	0.130	J	0.032	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Benzo(b)fluoranthene	0.170	J	0.030	0.21	0.27	mg/Kg
Q1984-13	OU4-TS-27-050725	SOIL	Benzo(a)pyrene	0.110	J	0.047	0.21	0.27	mg/Kg
Total Svoc :						1.19			
Total Concentration:						1.19			



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024640.D	1	05/13/25 09:05	05/15/25 16:40	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.030	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.022	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	51.5		37 - 122	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.8		44 - 115	57%	SPK: 100
1718-51-0	Terphenyl-d14	60.1		54 - 127	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	153000	7.658
1146-65-2	Naphthalene-d8	653000	10.428
15067-26-2	Acenaphthene-d10	401000	14.293
1517-22-2	Phenanthrene-d10	821000	17.087
1719-03-5	Chrysene-d12	967000	21.522
1520-96-3	Perylene-d12	1050000	24.804

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-33-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024640.D	1	05/13/25 09:05	05/15/25 16:40	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024723.D	1	05/19/25 09:45	05/21/25 02:49	PB168052

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.030	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.022	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.026	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.031	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.023	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.030	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	47.6		37 - 122	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.6		44 - 115	53%	SPK: 100
1718-51-0	Terphenyl-d14	54.7		54 - 127	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	115000	7.658
1146-65-2	Naphthalene-d8	464000	10.422
15067-26-2	Acenaphthene-d10	289000	14.281
1517-22-2	Phenanthrene-d10	623000	17.086
1719-03-5	Chrysene-d12	699000	21.51
1520-96-3	Perylene-d12	827000	24.78

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-34-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	95.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024723.D	1	05/19/25 09:45	05/21/25 02:49	PB168052

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

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E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024642.D	1	05/13/25 09:05	05/15/25 18:01	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	49.0		37 - 122	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		44 - 115	55%	SPK: 100
1718-51-0	Terphenyl-d14	54.5		54 - 127	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	173000	7.663
1146-65-2	Naphthalene-d8	652000	10.434
15067-26-2	Acenaphthene-d10	364000	14.292
1517-22-2	Phenanthrene-d10	628000	17.098
1719-03-5	Chrysene-d12	642000	21.521
1520-96-3	Perylene-d12	828000	24.809

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-PCS-TC-35-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024642.D	1	05/13/25 09:05	05/15/25 18:01	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

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* = Values outside of QC limits

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	69.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024648.D	1	05/13/25 09:05	05/15/25 22:06	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.19	U	0.033	0.19	0.24	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.037	0.19	0.24	mg/Kg
208-96-8	Acenaphthylene	0.19	U	0.041	0.19	0.24	mg/Kg
83-32-9	Acenaphthene	0.19	U	0.031	0.19	0.24	mg/Kg
86-73-7	Fluorene	0.19	U	0.036	0.19	0.24	mg/Kg
85-01-8	Phenanthrene	0.19	U	0.030	0.19	0.24	mg/Kg
120-12-7	Anthracene	0.19	U	0.048	0.19	0.24	mg/Kg
206-44-0	Fluoranthene	0.19	U	0.043	0.19	0.24	mg/Kg
129-00-0	Pyrene	0.19	U	0.052	0.19	0.24	mg/Kg
56-55-3	Benzo(a)anthracene	0.19	U	0.033	0.19	0.24	mg/Kg
218-01-9	Chrysene	0.19	U	0.029	0.19	0.24	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.19	U	0.027	0.19	0.24	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.19	U	0.032	0.19	0.24	mg/Kg
50-32-8	Benzo(a)pyrene	0.19	U	0.042	0.19	0.24	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.042	0.19	0.24	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.19	U	0.039	0.19	0.24	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.037	0.19	0.24	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	46.8		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.0		44 - 115		47%	SPK: 100
1718-51-0	Terphenyl-d14	45.8	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208000		7.658			
1146-65-2	Naphthalene-d8	794000		10.428			
15067-26-2	Acenaphthene-d10	460000		14.292			
1517-22-2	Phenanthrene-d10	854000		17.086			
1719-03-5	Chrysene-d12	968000		21.516			
1520-96-3	Perylene-d12	1170000		24.798			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-24-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	69.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024648.D	1	05/13/25 09:05	05/15/25 22:06	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024724.D	1	05/19/25 09:45	05/21/25 03:30	PB168052

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.19	U	0.033	0.19	0.25	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.038	0.19	0.25	mg/Kg
208-96-8	Acenaphthylene	0.19	U	0.042	0.19	0.25	mg/Kg
83-32-9	Acenaphthene	0.19	U	0.031	0.19	0.25	mg/Kg
86-73-7	Fluorene	0.19	U	0.037	0.19	0.25	mg/Kg
85-01-8	Phenanthrene	0.19	U	0.031	0.19	0.25	mg/Kg
120-12-7	Anthracene	0.19	U	0.049	0.19	0.25	mg/Kg
206-44-0	Fluoranthene	0.19	U	0.044	0.19	0.25	mg/Kg
129-00-0	Pyrene	0.19	U	0.053	0.19	0.25	mg/Kg
56-55-3	Benzo(a)anthracene	0.19	U	0.034	0.19	0.25	mg/Kg
218-01-9	Chrysene	0.19	U	0.029	0.19	0.25	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.19	U	0.028	0.19	0.25	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.19	U	0.033	0.19	0.25	mg/Kg
50-32-8	Benzo(a)pyrene	0.19	U	0.043	0.19	0.25	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.043	0.19	0.25	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.19	U	0.040	0.19	0.25	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.038	0.19	0.25	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	44.9		37 - 122	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.9		44 - 115	45%	SPK: 100
1718-51-0	Terphenyl-d14	42.8	*	54 - 127	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	129000	7.652
1146-65-2	Naphthalene-d8	540000	10.428
15067-26-2	Acenaphthene-d10	349000	14.287
1517-22-2	Phenanthrene-d10	678000	17.075
1719-03-5	Chrysene-d12	736000	21.504
1520-96-3	Perylene-d12	907000	24.78

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-25-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024724.D	1	05/19/25 09:45	05/21/25 03:30	PB168052

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	60.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024644.D	1	05/13/25 09:05	05/15/25 19:23	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.22	U	0.038	0.22	0.28	mg/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.043	0.22	0.28	mg/Kg
208-96-8	Acenaphthylene	0.22	U	0.048	0.22	0.28	mg/Kg
83-32-9	Acenaphthene	0.22	U	0.035	0.22	0.28	mg/Kg
86-73-7	Fluorene	0.22	U	0.042	0.22	0.28	mg/Kg
85-01-8	Phenanthrene	0.22	U	0.035	0.22	0.28	mg/Kg
120-12-7	Anthracene	0.22	U	0.055	0.22	0.28	mg/Kg
206-44-0	Fluoranthene	0.22	U	0.050	0.22	0.28	mg/Kg
129-00-0	Pyrene	0.22	U	0.060	0.22	0.28	mg/Kg
56-55-3	Benzo(a)anthracene	0.22	U	0.038	0.22	0.28	mg/Kg
218-01-9	Chrysene	0.22	U	0.033	0.22	0.28	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.22	U	0.032	0.22	0.28	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.22	U	0.037	0.22	0.28	mg/Kg
50-32-8	Benzo(a)pyrene	0.22	U	0.049	0.22	0.28	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.22	U	0.048	0.22	0.28	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.22	U	0.046	0.22	0.28	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.22	U	0.043	0.22	0.28	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	45.7		37 - 122	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.9		44 - 115	45%	SPK: 100
1718-51-0	Terphenyl-d14	39.8	*	54 - 127	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	176000	7.658
1146-65-2	Naphthalene-d8	742000	10.428
15067-26-2	Acenaphthene-d10	437000	14.293
1517-22-2	Phenanthrene-d10	826000	17.087
1719-03-5	Chrysene-d12	944000	21.516
1520-96-3	Perylene-d12	1110000	24.792

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-26-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	60.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024644.D	1	05/13/25 09:05	05/15/25 19:23	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024645.D	1	05/13/25 09:05	05/15/25 20:04	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.21	U	0.036	0.21	0.27	mg/Kg
91-57-6	2-Methylnaphthalene	0.21	U	0.041	0.21	0.27	mg/Kg
208-96-8	Acenaphthylene	0.21	U	0.046	0.21	0.27	mg/Kg
83-32-9	Acenaphthene	0.21	U	0.034	0.21	0.27	mg/Kg
86-73-7	Fluorene	0.21	U	0.041	0.21	0.27	mg/Kg
85-01-8	Phenanthrene	0.15	J	0.033	0.21	0.27	mg/Kg
120-12-7	Anthracene	0.21	U	0.053	0.21	0.27	mg/Kg
206-44-0	Fluoranthene	0.29		0.048	0.21	0.27	mg/Kg
129-00-0	Pyrene	0.22	J	0.058	0.21	0.27	mg/Kg
56-55-3	Benzo(a)anthracene	0.12	J	0.037	0.21	0.27	mg/Kg
218-01-9	Chrysene	0.13	J	0.032	0.21	0.27	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.17	J	0.030	0.21	0.27	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.21	U	0.036	0.21	0.27	mg/Kg
50-32-8	Benzo(a)pyrene	0.11	J	0.047	0.21	0.27	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	U	0.047	0.21	0.27	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.21	U	0.044	0.21	0.27	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.21	U	0.041	0.21	0.27	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	48.5		37 - 122	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.8	*	44 - 115	41%	SPK: 100
1718-51-0	Terphenyl-d14	35.0	*	54 - 127	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	191000	7.663
1146-65-2	Naphthalene-d8	746000	10.434
15067-26-2	Acenaphthene-d10	449000	14.298
1517-22-2	Phenanthrene-d10	847000	17.092
1719-03-5	Chrysene-d12	940000	21.521
1520-96-3	Perylene-d12	1130000	24.797

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024645.D	1	05/13/25 09:05	05/15/25 20:04	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725RX	SDG No.:	Q1984
Lab Sample ID:	Q1984-13RX	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024725.D	1	05/19/25 09:45	05/21/25 04:10	PB168052

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.21	U	0.036	0.21	0.27	mg/Kg
91-57-6	2-Methylnaphthalene	0.21	U	0.041	0.21	0.27	mg/Kg
208-96-8	Acenaphthylene	0.21	U	0.046	0.21	0.27	mg/Kg
83-32-9	Acenaphthene	0.21	U	0.034	0.21	0.27	mg/Kg
86-73-7	Fluorene	0.21	U	0.040	0.21	0.27	mg/Kg
85-01-8	Phenanthrene	0.21	U	0.033	0.21	0.27	mg/Kg
120-12-7	Anthracene	0.21	U	0.053	0.21	0.27	mg/Kg
206-44-0	Fluoranthene	0.21	U	0.048	0.21	0.27	mg/Kg
129-00-0	Pyrene	0.21	U	0.058	0.21	0.27	mg/Kg
56-55-3	Benzo(a)anthracene	0.21	U	0.037	0.21	0.27	mg/Kg
218-01-9	Chrysene	0.21	U	0.032	0.21	0.27	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.030	0.21	0.27	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.21	U	0.036	0.21	0.27	mg/Kg
50-32-8	Benzo(a)pyrene	0.21	U	0.047	0.21	0.27	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.21	U	0.047	0.21	0.27	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.21	U	0.044	0.21	0.27	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.21	U	0.041	0.21	0.27	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	42.7		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9	*	44 - 115		42%	SPK: 100
1718-51-0	Terphenyl-d14	40.3	*	54 - 127		40%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153000		7.657			
1146-65-2	Naphthalene-d8	636000		10.422			
15067-26-2	Acenaphthene-d10	397000		14.286			
1517-22-2	Phenanthrene-d10	727000		17.08			
1719-03-5	Chrysene-d12	788000		21.51			
1520-96-3	Perylene-d12	957000		24.786			

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-27-050725RX	SDG No.:	Q1984
Lab Sample ID:	Q1984-13RX	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	62.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024725.D	1	05/19/25 09:45	05/21/25 04:10	PB168052

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

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	64.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024646.D	1	05/13/25 09:05	05/15/25 20:45	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	0.20	U	0.035	0.20	0.26	mg/Kg
91-57-6	2-Methylnaphthalene	0.20	U	0.040	0.20	0.26	mg/Kg
208-96-8	Acenaphthylene	0.20	U	0.045	0.20	0.26	mg/Kg
83-32-9	Acenaphthene	0.20	U	0.033	0.20	0.26	mg/Kg
86-73-7	Fluorene	0.20	U	0.039	0.20	0.26	mg/Kg
85-01-8	Phenanthrene	0.20	U	0.032	0.20	0.26	mg/Kg
120-12-7	Anthracene	0.20	U	0.052	0.20	0.26	mg/Kg
206-44-0	Fluoranthene	0.20	U	0.046	0.20	0.26	mg/Kg
129-00-0	Pyrene	0.20	U	0.056	0.20	0.26	mg/Kg
56-55-3	Benzo(a)anthracene	0.20	U	0.036	0.20	0.26	mg/Kg
218-01-9	Chrysene	0.20	U	0.031	0.20	0.26	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.20	U	0.029	0.20	0.26	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.20	U	0.035	0.20	0.26	mg/Kg
50-32-8	Benzo(a)pyrene	0.20	U	0.046	0.20	0.26	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.045	0.20	0.26	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.20	U	0.042	0.20	0.26	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.20	U	0.040	0.20	0.26	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	51.3		37 - 122	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.6		44 - 115	45%	SPK: 100
1718-51-0	Terphenyl-d14	43.8	*	54 - 127	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	238000	7.658
1146-65-2	Naphthalene-d8	987000	10.428
15067-26-2	Acenaphthene-d10	607000	14.293
1517-22-2	Phenanthrene-d10	1030000	17.092
1719-03-5	Chrysene-d12	847000	21.527
1520-96-3	Perylene-d12	1080000	24.81

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	05/07/25
Project:	Raymark Superfund Site	Date Received:	05/08/25
Client Sample ID:	OU4-TS-28-050725	SDG No.:	Q1984
Lab Sample ID:	Q1984-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	64.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024646.D	1	05/13/25 09:05	05/15/25 20:45	PB167973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

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:	Q1984	OrderDate:	5/8/2025 10:48:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1984-01	OU4-PCS-TC-33-0507 25	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	
Q1984-03	OU4-PCS-TC-34-0507 25	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/19/25	05/21/25	
Q1984-05	OU4-PCS-TC-35-0507 25	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	
Q1984-07	OU4-TS-24-050725	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	
Q1984-09	OU4-TS-25-050725	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/19/25	05/21/25	
Q1984-11	OU4-TS-26-050725	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	
Q1984-13	OU4-TS-27-050725	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	
Q1984-13RX	OU4-TS-27-050725RX	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/19/25	05/21/25	
Q1984-15	OU4-TS-28-050725	SOIL			05/07/25			05/08/25
			SVOCMS Group3	8270E		05/13/25	05/15/25	