

Hit Summary Sheet SW-846

SDG No.: Q2638

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-31-071725									
Q2638-01	OU4-TS-31-071725	SOIL	Benzo(b)fluoranthene	0.130	J	0.028	0.19	0.25	mg/Kg
Total Svoc :				0.13					
Total Concentration:				0.13					
Client ID : OU4-TS-32-071725									
Q2638-03	OU4-TS-32-071725	SOIL	Fluoranthene	0.170	J	0.046	0.20	0.26	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Pyrene	0.120	J	0.055	0.20	0.26	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Chrysene	0.120	J	0.031	0.20	0.26	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Benzo(b)fluoranthene	0.170	J	0.029	0.20	0.26	mg/Kg
Total Svoc :				0.58					
Total Concentration:				0.58					
Client ID : OU4-TS-33-071725									
Q2638-05	OU4-TS-33-071725	SOIL	Benzo(b)fluoranthene	0.130	J	0.029	0.20	0.26	mg/Kg
Total Svoc :				0.13					
Total Concentration:				0.13					
Client ID : OU4-TS-35-071725									
Q2638-09	OU4-TS-35-071725	SOIL	Phenanthrene	0.100	J	0.025	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Fluoranthene	0.300		0.036	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Pyrene	0.290		0.044	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Benzo(a)anthracene	0.250		0.028	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Chrysene	0.260		0.024	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Benzo(b)fluoranthene	0.340		0.023	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Benzo(k)fluoranthene	0.110	J	0.027	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Benzo(a)pyrene	0.270		0.036	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Indeno(1,2,3-cd)pyrene	0.120	J	0.035	0.16	0.21	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Benzo(g,h,i)perylene	0.160	J	0.031	0.16	0.21	mg/Kg
Total Svoc :				2.20					
Total Concentration:				2.20					
Client ID : OU4-TS-36-071725									
Q2638-11	OU4-TS-36-071725	SOIL	Acenaphthylene	0.083	J	0.035	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Phenanthrene	0.088	J	0.026	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Fluoranthene	0.250		0.037	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Pyrene	0.320		0.044	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Benzo(a)anthracene	0.240		0.028	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Chrysene	0.250		0.024	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Benzo(b)fluoranthene	0.290		0.023	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Benzo(k)fluoranthene	0.110	J	0.027	0.16	0.21	mg/Kg

Hit Summary Sheet SW-846

SDG No.: Q2638
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-11	OU4-TS-36-071725	SOIL	Benzo(a)pyrene	0.260		0.036	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Indeno(1,2,3-cd)pyrene	0.140	J	0.036	0.16	0.21	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Benzo(g,h,i)perylene	0.170	J	0.031	0.16	0.21	mg/Kg
Total Svoc :				2.20					
Total Concentration:				2.20					
Client ID : OU4-TS-36-071725RE									
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Acenaphthylene	0.091	J	0.035	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Phenanthrene	0.087	J	0.026	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Fluoranthene	0.250		0.037	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Pyrene	0.320		0.044	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Benzo(a)anthracene	0.230		0.028	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Chrysene	0.270		0.024	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Benzo(b)fluoranthene	0.290		0.023	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Benzo(k)fluoranthene	0.095	J	0.027	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Benzo(a)pyrene	0.250		0.036	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Indeno(1,2,3-cd)pyrene	0.140	J	0.036	0.16	0.21	mg/Kg
Q2638-11RE	OU4-TS-36-071725RE	SOIL	Benzo(g,h,i)perylene	0.170	J	0.031	0.16	0.21	mg/Kg
Total Svoc :				2.19					
Total Concentration:				2.19					
Client ID : OU4-TS-37-071725									
Q2638-13	OU4-TS-37-071725	SOIL	Fluoranthene	0.210		0.037	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Pyrene	0.270		0.044	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Benzo(a)anthracene	0.190	J	0.028	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Chrysene	0.230		0.024	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Benzo(b)fluoranthene	0.250		0.023	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Benzo(a)pyrene	0.210		0.036	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Indeno(1,2,3-cd)pyrene	0.120	J	0.036	0.16	0.21	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	Benzo(g,h,i)perylene	0.150	J	0.032	0.16	0.21	mg/Kg
Total Svoc :				1.63					
Total Concentration:				1.63					
Client ID : OU4-TS-37-071725RE									
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Acenaphthylene	0.087	J	0.036	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Fluoranthene	0.220		0.037	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Pyrene	0.270		0.044	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Benzo(a)anthracene	0.180	J	0.028	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Chrysene	0.220		0.024	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Benzo(b)fluoranthene	0.250		0.023	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Benzo(a)pyrene	0.220		0.036	0.16	0.21	mg/Kg
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Indeno(1,2,3-cd)pyrene	0.120	J	0.036	0.16	0.21	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2638
Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-13RE	OU4-TS-37-071725RE	SOIL	Benzo(g,h,i)perylene	0.150	J	0.032	0.16	0.21	mg/Kg
			Total Svoc :	1.72					
			Total Concentration:	1.72					



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.4
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
BF143182.D	1	07/21/25 09:30	07/22/25 11:25	PB168929

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

TARGETS

91-20-3	Naphthalene	0.19	U	0.033	0.19	0.25	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.037	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	0.13	J	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	54.9		37 - 122	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.5		44 - 115	52%	SPK: 100
1718-51-0	Terphenyl-d14	33.3	*	54 - 127	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.963
1146-65-2	Naphthalene-d8	473000	8.245
15067-26-2	Acenaphthene-d10	235000	9.998
1517-22-2	Phenanthrene-d10	343000	11.486
1719-03-5	Chrysene-d12	287000	14.121
1520-96-3	Perylene-d12	201000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.4
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
BF143182.D	1	07/21/25 09:30	07/22/25 11:25	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.1
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
BF143183.D	1	07/21/25 09:30	07/22/25 11:54	PB168929

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

TARGETS

91-20-3	Naphthalene	0.20	U	0.035	0.20	0.26	mg/Kg
91-57-6	2-Methylnaphthalene	0.20	U	0.039	0.20	0.26	mg/Kg
208-96-8	Acenaphthylene	0.20	U	0.044	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	0.051	0.20	0.26	mg/Kg
206-44-0	Fluoranthene	0.17	J	0.046	0.20	0.26	mg/Kg
129-00-0	Pyrene	0.12	J	0.055	0.20	0.26	mg/Kg
56-55-3	Benzo(a)anthracene	0.20	U	0.035	0.20	0.26	mg/Kg
218-01-9	Chrysene	0.12	J	0.031	0.20	0.26	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.17	J	0.029	0.20	0.26	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.20	U	0.034	0.20	0.26	mg/Kg
50-32-8	Benzo(a)pyrene	0.20	U	0.045	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	50.2		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.0		44 - 115		47%	SPK: 100
1718-51-0	Terphenyl-d14	33.2	*	54 - 127		33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	118000	6.963
1146-65-2	Naphthalene-d8	451000	8.245
15067-26-2	Acenaphthene-d10	228000	9.998
1517-22-2	Phenanthrene-d10	338000	11.486
1719-03-5	Chrysene-d12	263000	14.121
1520-96-3	Perylene-d12	173000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.1
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
BF143183.D	1	07/21/25 09:30	07/22/25 11:54	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	64.7
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
BF143184.D	1	07/21/25 09:30	07/22/25 12:23	PB168929

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

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	0.051	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	0.13	J	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	53.2		37 - 122	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		44 - 115	49%	SPK: 100
1718-51-0	Terphenyl-d14	35.0	*	54 - 127	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	130000	6.963
1146-65-2	Naphthalene-d8	492000	8.245
15067-26-2	Acenaphthene-d10	250000	9.998
1517-22-2	Phenanthrene-d10	371000	11.486
1719-03-5	Chrysene-d12	282000	14.121
1520-96-3	Perylene-d12	185000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	64.7
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
BF143184.D	1	07/21/25 09:30	07/22/25 12:23	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.5
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
BF143185.D	1	07/21/25 09:30	07/22/25 12:52	PB168929

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

TARGETS

91-20-3	Naphthalene	0.19	U	0.033	0.19	0.25	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.037	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	0.052	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	0.042	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	0.037	0.19	0.25	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	45.9		37 - 122	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.8	*	44 - 115	43%	SPK: 100
1718-51-0	Terphenyl-d14	30.9	*	54 - 127	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.963
1146-65-2	Naphthalene-d8	482000	8.245
15067-26-2	Acenaphthene-d10	241000	9.998
1517-22-2	Phenanthrene-d10	349000	11.486
1719-03-5	Chrysene-d12	262000	14.121
1520-96-3	Perylene-d12	170000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.5
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
BF143185.D	1	07/21/25 09:30	07/22/25 12:52	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozone	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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.5
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
BP025224.D	1	07/21/25 09:30	07/23/25 14:51	PB168929

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

TARGETS

91-20-3	Naphthalene	0.19	U	0.033	0.19	0.25	mg/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.037	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	0.052	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	0.042	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	0.037	0.19	0.25	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	45.2		37 - 122	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.9	*	44 - 115	43%	SPK: 100
1718-51-0	Terphenyl-d14	39.1	*	54 - 127	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	576000	7.431
1146-65-2	Naphthalene-d8	2320000	10.178
15067-26-2	Acenaphthene-d10	1480000	14.09
1517-22-2	Phenanthrene-d10	2910000	16.901
1719-03-5	Chrysene-d12	3200000	21.33
1520-96-3	Perylene-d12	3770000	24.471

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.5
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
BP025224.D	1	07/21/25 09:30	07/23/25 14:51	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.4
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
BF143186.D	1	07/21/25 09:30	07/22/25 13:21	PB168929

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

TARGETS

91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.031	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.16	U	0.035	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.10	J	0.025	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.040	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.30		0.036	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.29		0.044	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.25		0.028	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.26		0.024	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.34		0.023	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.11	J	0.027	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.27		0.036	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	J	0.035	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.033	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.16	J	0.031	0.16	0.21	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	48.0		37 - 122	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.9		44 - 115	47%	SPK: 100
1718-51-0	Terphenyl-d14	37.1	*	54 - 127	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	115000	6.963
1146-65-2	Naphthalene-d8	440000	8.245
15067-26-2	Acenaphthene-d10	226000	9.998
1517-22-2	Phenanthrene-d10	327000	11.486
1719-03-5	Chrysene-d12	247000	14.122
1520-96-3	Perylene-d12	168000	15.633

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.4
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
BF143186.D	1	07/21/25 09:30	07/22/25 13:21	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.9
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
BP025225.D	1	07/21/25 09:30	07/23/25 15:32	PB168929

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

TARGETS

91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.031	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.083	J	0.035	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.088	J	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.25		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.32		0.044	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.24		0.028	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.25		0.024	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.29		0.023	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.11	J	0.027	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.26		0.036	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	J	0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.033	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.17	J	0.031	0.16	0.21	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	39.9		37 - 122	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.3	*	44 - 115	40%	SPK: 100
1718-51-0	Terphenyl-d14	41.6	*	54 - 127	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	622000	7.431
1146-65-2	Naphthalene-d8	2600000	10.172
15067-26-2	Acenaphthene-d10	1720000	14.078
1517-22-2	Phenanthrene-d10	3430000	16.895
1719-03-5	Chrysene-d12	3440000	21.336
1520-96-3	Perylene-d12	3930000	24.477

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.9
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
BP025225.D	1	07/21/25 09:30	07/23/25 15:32	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-11RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.9
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
BP025232.D	1	07/21/25 09:30	07/23/25 21:01	PB168929

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

TARGETS

91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.031	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.091	J	0.035	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.087	J	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.25		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.32		0.044	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.23		0.028	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.27		0.024	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.29		0.023	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.095	J	0.027	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.25		0.036	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	J	0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.033	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.17	J	0.031	0.16	0.21	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	39.7		37 - 122	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.2	*	44 - 115	40%	SPK: 100
1718-51-0	Terphenyl-d14	40.3	*	54 - 127	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	575000	7.437
1146-65-2	Naphthalene-d8	2320000	10.178
15067-26-2	Acenaphthene-d10	1500000	14.084
1517-22-2	Phenanthrene-d10	2980000	16.895
1719-03-5	Chrysene-d12	3090000	21.33
1520-96-3	Perylene-d12	3680000	24.477

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-11RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.9
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
BP025232.D	1	07/21/25 09:30	07/23/25 21:01	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.2
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
BP025221.D	1	07/21/25 09:30	07/23/25 12:47	PB168929

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

TARGETS

91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.031	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.16	U	0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.16	U	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.21		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.27		0.044	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.19	J	0.028	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.23		0.024	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.25		0.023	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	U	0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.21		0.036	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	J	0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.15	J	0.032	0.16	0.21	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	38.9		37 - 122	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	39.2	*	44 - 115	39%	SPK: 100
1718-51-0	Terphenyl-d14	40.0	*	54 - 127	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	590000	7.437
1146-65-2	Naphthalene-d8	2490000	10.184
15067-26-2	Acenaphthene-d10	1670000	14.072
1517-22-2	Phenanthrene-d10	3350000	16.901
1719-03-5	Chrysene-d12	3280000	21.336
1520-96-3	Perylene-d12	3860000	24.471

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.2
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
BP025221.D	1	07/21/25 09:30	07/23/25 12:47	PB168929

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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-13RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.2
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
BP025230.D	1	07/21/25 09:30	07/23/25 19:39	PB168929

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

TARGETS

91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.031	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.087	J	0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.16	U	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.22		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.27		0.044	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.18	J	0.028	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.22		0.024	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.25		0.023	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	U	0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.22		0.036	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	J	0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.15	J	0.032	0.16	0.21	mg/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	38.9		37 - 122	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.6	*	44 - 115	38%	SPK: 100
1718-51-0	Terphenyl-d14	39.7	*	54 - 127	40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	476000	7.431
1146-65-2	Naphthalene-d8	2040000	10.178
15067-26-2	Acenaphthene-d10	1450000	14.09
1517-22-2	Phenanthrene-d10	3010000	16.901
1719-03-5	Chrysene-d12	3120000	21.33
1520-96-3	Perylene-d12	3620000	24.466

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-13RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.2
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
BP025230.D	1	07/21/25 09:30	07/23/25 19:39	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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

LAB CHRONICLE

OrderID:	Q2638	OrderDate:	7/18/2025 10:07:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	OU4-TS-31-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/22/25	07/18/25
Q2638-03	OU4-TS-32-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/22/25	07/18/25
Q2638-05	OU4-TS-33-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/22/25	07/18/25
Q2638-07	OU4-TS-34-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/22/25	07/18/25
Q2638-07RE	OU4-TS-34-071725RE	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/23/25	07/18/25
Q2638-09	OU4-TS-35-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/22/25	07/18/25
Q2638-11	OU4-TS-36-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/23/25	07/18/25
Q2638-11RE	OU4-TS-36-071725RE	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/23/25	07/18/25
Q2638-13	OU4-TS-37-071725	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/23/25	07/18/25
Q2638-13RE	OU4-TS-37-071725RE	SOIL	SVOCMS Group3	8270E	07/17/25	07/21/25	07/23/25	07/18/25